Model：FI8918E

Wired Camera

POE & NIGHT VISION & REMOTE PAN / TILT ROTATE/TWO WAY AUDIO

User Manual



Color: Black



Color: White

CONTENTS

1 WELCOME

IPCAM is an integrated wired IP Camera solution. It combines a high quality digital video Camera with network connectivity and a powerful web server on your desktop from anywhere on your local network or over the internet.
The basic function of IPCAM is transmitting remote video on the IP network. The high quality video image can be transmitted with 30fps speed on the LAN/WAN by using MJPEG hardware compression technology.
The IPCAM is based on the TCP/IP standard. There is a WEB server inside which could support Internet Explore. Therefore the management and maintenance of your device is simplified by using the network to achieve the remote configuration, start-up and to upgrade the firmware.
You can use this IPCAM to monitor special places such as your home and your office. Also controlling the IPCAM and managing image are simple by clicking the website through the network.

1.1 Features

- Powerful high-speed video protocol processor
- High Definition Color CMOS Sensor
- 300K Pixels
- IR night vision (Range: 8m)
- Pan 300 degree, tilt 120 degree
- Optimized MJPEG video compression for transmission
- Multi-level users' management and passwords definition
- Embedded Web Server for users to visit by IE
- Supports Dynamic IP (DDNS) and UPnP LAN and Internet (ADSL, Cable Modem)
- Motion detection activates alarm
- Supports image snapshot

● Supports multiple network protocols: HTTP/TCP/IP/UDP/STMP/DDNS/SNTP/DHCP/FTP
● Supports Daylight Saving Time
● Supports MSN
● Supports POE
● Supports Gmail as sender on mail service settings
●Supports audio on Firefox，Safari and Google Chrome

1.2 Packing List

Untie the package and verify the items with the following list:
● IPCAM×1
● DC Power Supply×1
● Quick Installation Guide×2（For MAC OS×1,For Windows OS×1）
● CD×1（Includes IPCAM user manual、IP camera tool）
● Network Cable×1
● Mounting bracket×1(option)
● Warranty Card×1

NOTE: Please Contact us immediately in case of any damaged or missing parts.

1.3 Product views

1.3.1 Front View



Figure 1.1

Infrared LED: 11 IR LEDs
LENS: CMOS sensor with fixed focus lens. (2.8mm)
Microphone: Built-in microphone
Speaker: Built-in speaker

1.3.2 Back View

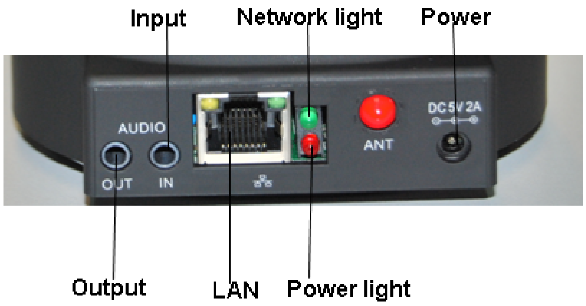


Figure 1.2

LAN: RJ-45/10-100 Base T
Power: DC 5V/2A Power supply
Network Light: The LED will blink when power and network cable are plugged in
Power Light: If the power adapter works well, the light will turn on
Audio Input: This jack is used to plug an external microphone
Audio Output: This jack is used to plug an external speaker

1.3.3 Bottom View

There are two stickers at the bottom of the camera; it is an important feature of original Foscam cameras. If your camera does not have any of these two stickers, it may be a clone one. Cloned Foscam cameras cannot use original firmware and not eligible obtain warranty or technical services.



Figure 1.3

Reset button: Press and hold down the RESET BUTTON for 15 seconds. Releasing the reset button, username and password will back to the factory default administrator username and password. You must power on the camera before reset.

1.4 Preparations before use

1.4.1 Software installation

(1) Put the CD in the CD drive of your computer. Open the CD; find the software per instructions;

(2) Double click **IPCamSetup.exe** and install the software per instruction.

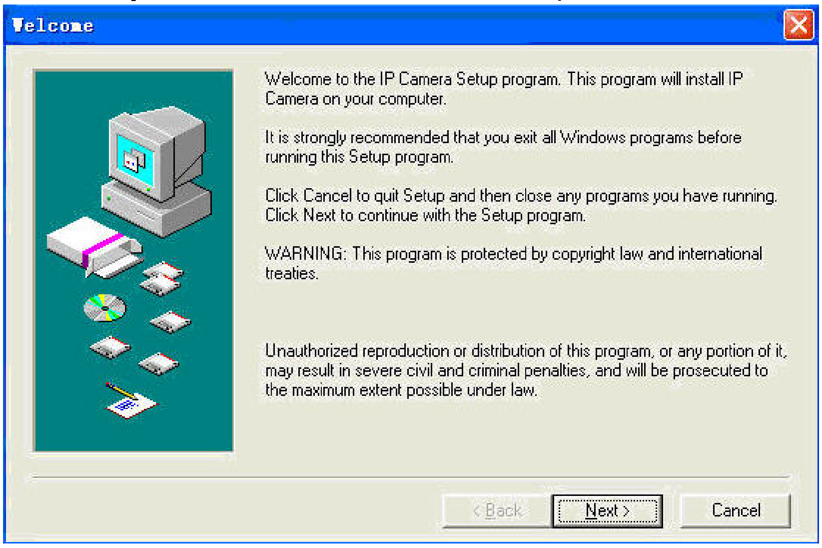


Figure 1.4

(3) Click **Next** to complete the software installation.

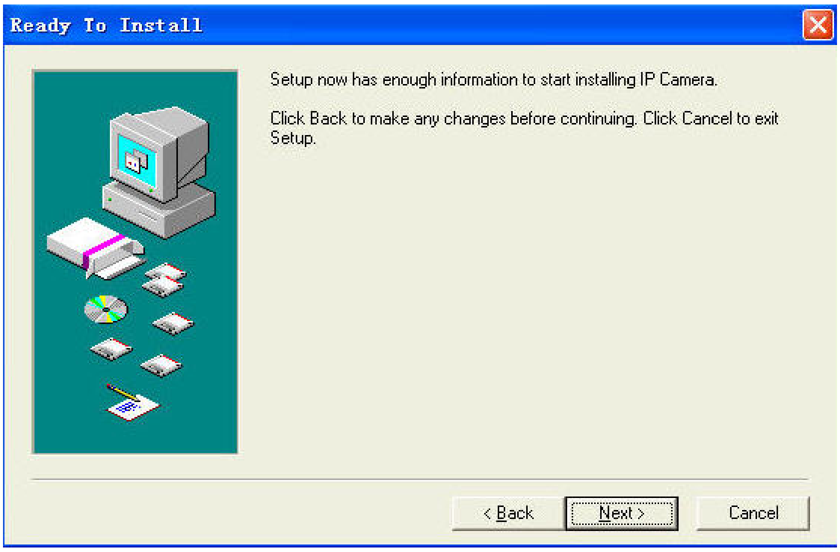


Figure 1.5

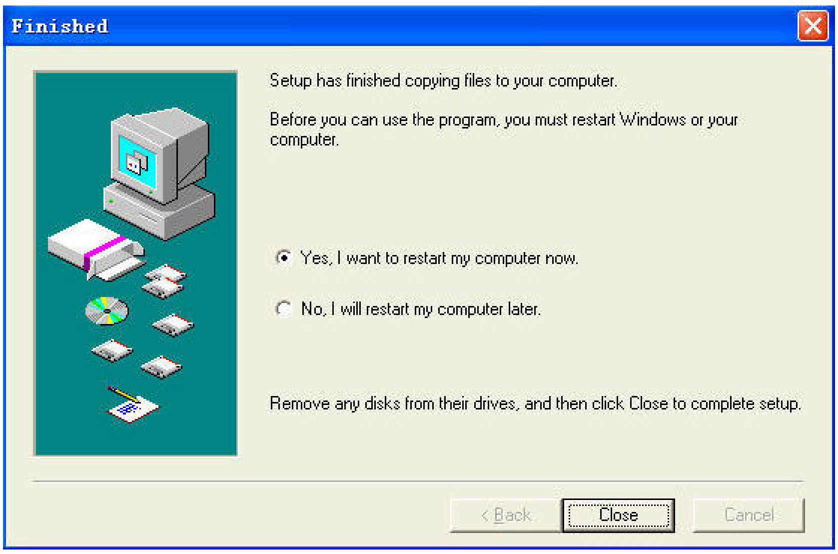


Figure 1.6

The computer restarts upon installation completion and an icon  appears on the desktop automatically.

NOTE: If you use Windows7 and could not find the icon on desktop after installing the IP camera tool, please check if the path of the camera software is correct.

For example, if it was pointing to C:\Windows\System32\IPCamera.exe.
Then fix this by pointing the shortcut to the correct path C:\Windows\SysWOW64\IPCamera.exe.
The shortcut should work without any problems.

CAUTION: Before installing and using the product, please read the following precautions carefully and make sure they are fully understood.
If you want to use power adapter, please use only the power adapter attached with the product. Using unauthorized power adapters may cause damage to your IP Camera. IP Camera terminal shall be installed in an indoor environment where the rain or snow could not pour it.

1.4.2 Hardware preparation

Follow the steps below to set up your camera hardware connections. Make sure to follow each step carefully to ensure that the camera operates properly.
(1) Plug the network cable into the camera and then into your Cable/DSL router.
(2) The camera takes approximately 30 seconds to start up before it displays an IP address on the **IP Camera Tool** (details: 2.1)
(3) When the network cable plugged correctly, the small green light (network jack) will turn on and the small yellow light will flash. The network light will blink. (about 1~2 times per second) and the power light will also turn on.
Note: Make sure your router has POE function. The camera will be powered through the power adapter prior if you have plugged the network cable and power adapter to your camera.

2 SOFTWARE OPERATION

2.1 IP Camera Tool

When the Device has been mounted properly, you can double click the icon “IP Camera Tool”  and a dialog box as Figure 2.1 will pop up.

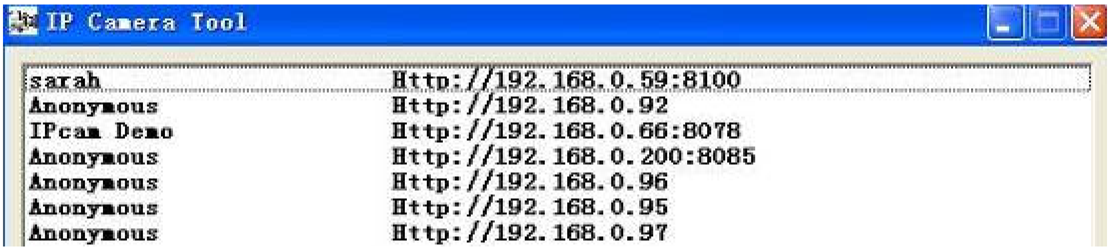


Figure 2.1

The software searches for the IPcam automatically over the LAN.

There are 3 cases:

(1) If no Camera found in LAN. After about 1 minute of searching, the Result Field will show "not found IP Server" and the program shuts off automatically.

(2) If IP Cameras have been found within LAN. All the IP Cameras will be listed and the total number is displayed in the result field as shown in Figure 2.1.

(3) The IP Cameras installed within LAN do not share the same subnet with the monitoring PC. A prompt is displayed with a "**Subnet doesn't match, dbclick to change!**" message. Click the left mouse button to choose the prompt and click the right mouse, choose **Network Configuration** to set the IP address of the Camera to the same subnet as the LAN. (Figure 2.5) You can choose obtain IP from DHCP server or set a static IP for the camera. (Figure 2.4)

NOTE: If you could not find the camera's IP on the IP camera tool.
Please check if DHCP is enabled on your router, or disable MAC address filter.
Make sure that the firewall doesn't block the camera.

Six Options

Choose the IP Camera list and right click; there are six options, Basic Properties, Network Configuration, Upgrade Firmware, Refresh Camera List, Flush Arp Buffer and About IP Camera Tool as shown Figure 2.2.

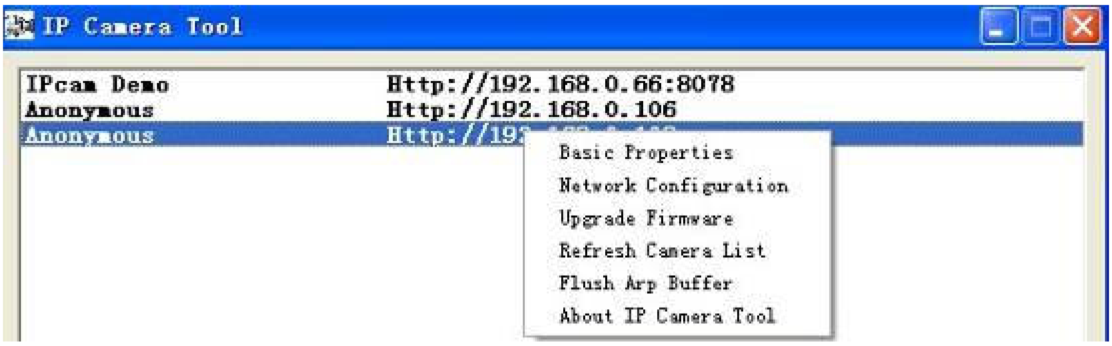


Figure 2.2

- **Basic Properties**

There are some devices information in the Basic Properties, such as **Device ID, System Firmware Version,** and **Web UI Version.** (Figure 2.3)

If there are several cameras on the list, you can choose basic properties to check the device ID and recognize the IP address belong to which camera you set up, For example Device ID is 00606E8C5058, the same MAC ID sticker is found at the bottom/back of the camera.

Each camera has its own MAC ID. Sometimes, if camera's IP is not found on the IP Camera Tool.

The firewall may be blocking it, therefore you can add this MAC ID to your router and give it a fixed IP or add the MAC ID as a trusted site.

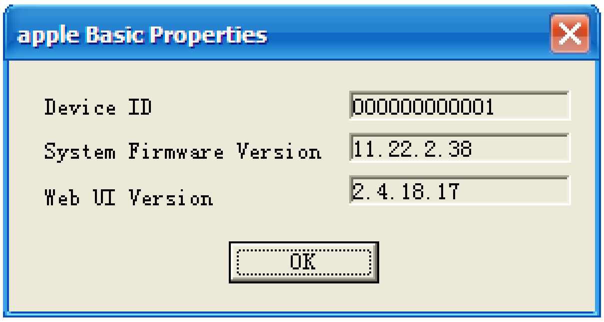


Figure 2.3

- **Network Configuration**

This page will allow you to configure the Network parameters.



Figure 2.4

Obtain IP from DHCP server: If checked, the device will obtain IP from DHCP server. In other words, the camera will have a dynamic IP. (Make sure the Router which the camera connects has DHCP function and DHCP is enabled).

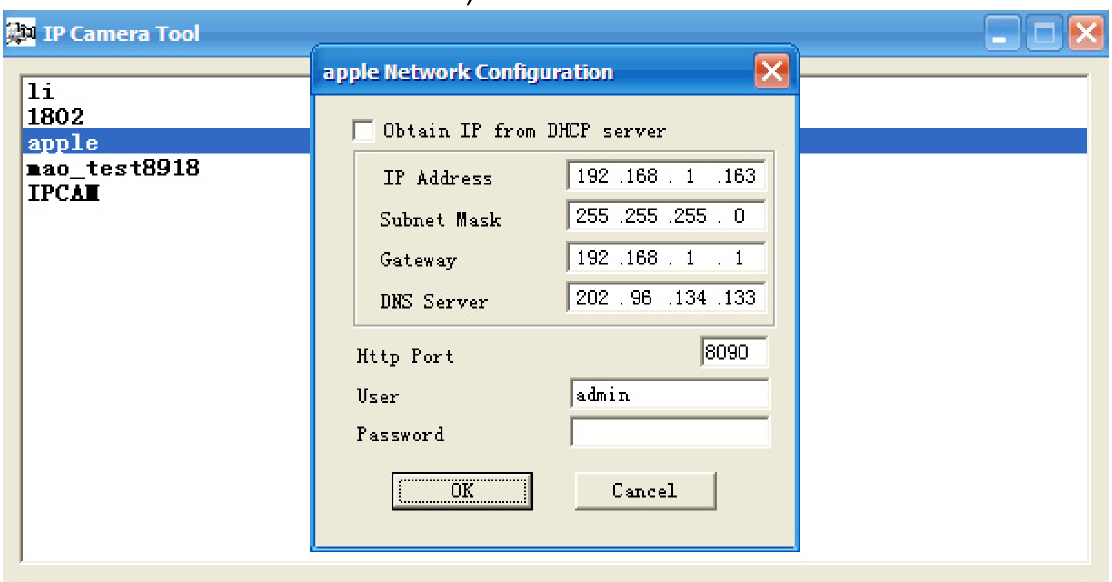


Figure 2.5

IP Address: Fill in the IP address assigned and make sure it is in the same subnet as your computer or router. (I.e. the first three sections are the same)

Subnet Mask: The default subnet mask of the equipment in our LAN is: 255.255.255.0.You can find the subnet mask in the basic information of your router or the locally-attached of your PC.

Gateway: Make sure it is in the same subnet with PC's IP address. The gateway is your router's LAN IP.

DNS Server: IP address of your ISP network provider. You can find the DNS server in your router or check the locally-attached address of your computer. Your PC contains your PC's IP address, gateway and DNS server. Normally, there are two DNS servers. Here you can also set the DNS server the same with gateway.

Http Port: The default Lan port is 80.You can set another port number, such as port 8005, 85, 8100.etc.

User: Default administrator user name is admin

Password: Default password is blank, no password.

NOTE: If the prompt "Subnet doesn't match, dbclick to change!" appears, please enable DHCP and choose obtain IP from DHCP server or set camera's IP address and gateway once again.

- **Upgrade Firmware**

Enter the correct User and Password to upgrade system Firmware and Web UI. If you upgrade the camera, you must **upgrade system firmware** first and then **upgrade web UI**. Or it may damage the camera.

Please download the firmware package under the correct type of your camera before upgrade. Follow the upgrade documentation in the package carefully to upgrade. Read the readme.txt file first before you upgrade.

CAUTION: Please don't upgrade the firmware freely. Sometimes, your camera may be damaged if configured wrong during the upgrade. If your camera works well with the current firmware, we recommend not upgrading.

NOTE: If you download the firmware. Please check if bytes of the two .bin file are exactly the same with the size in readme. If it fits, you can upgrade it. If not, please download the firmware again until the bytes are exactly the same with the official size. Otherwise, your camera will crash by the firmware which you selected.

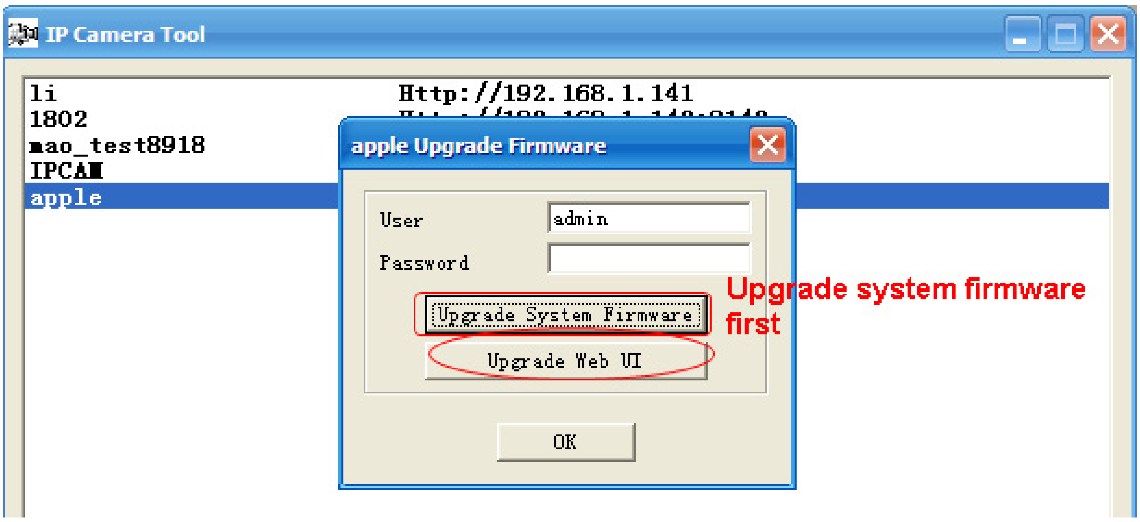


Figure 2.6

- **Refresh Camera List**

Refresh camera list manually.

- **Flush Arp Buffer**

When wired and wireless of the camera both are fixed IP address. You may encounter an issue with not being able to open the camera webpage. You may try to use flush Arp buffer.

- **About IP Camera Tool**

Display the version of the IP Camera Tool.

2.2 Camera Login

You can access the camera through the **IP Camera Tool** or **IE, Firefox, Google Chrome, Safari or other stand browser** directly.

(1) Double click the IP address of the IP Camera listed (Figure 2.1).The browser you use will be opened automatically and display the camera login page. (Figure 2.8)

(2) You can also access the camera by IE browser directly by typing in the camera's IP address. For example:

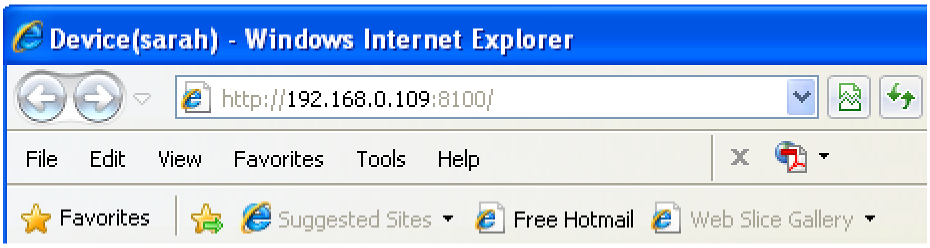


Figure 2.7



Figure 2.8

The default user is admin, no password.

There are two modes to login. If you use IE browser, please choose activeX mode to login. If you use Firefox or Google Chrome, please choose Server Push Mode to login. (Figure 2.9)



Figure 2.9

For IE browser

Fill in the user name and choose the first login button.

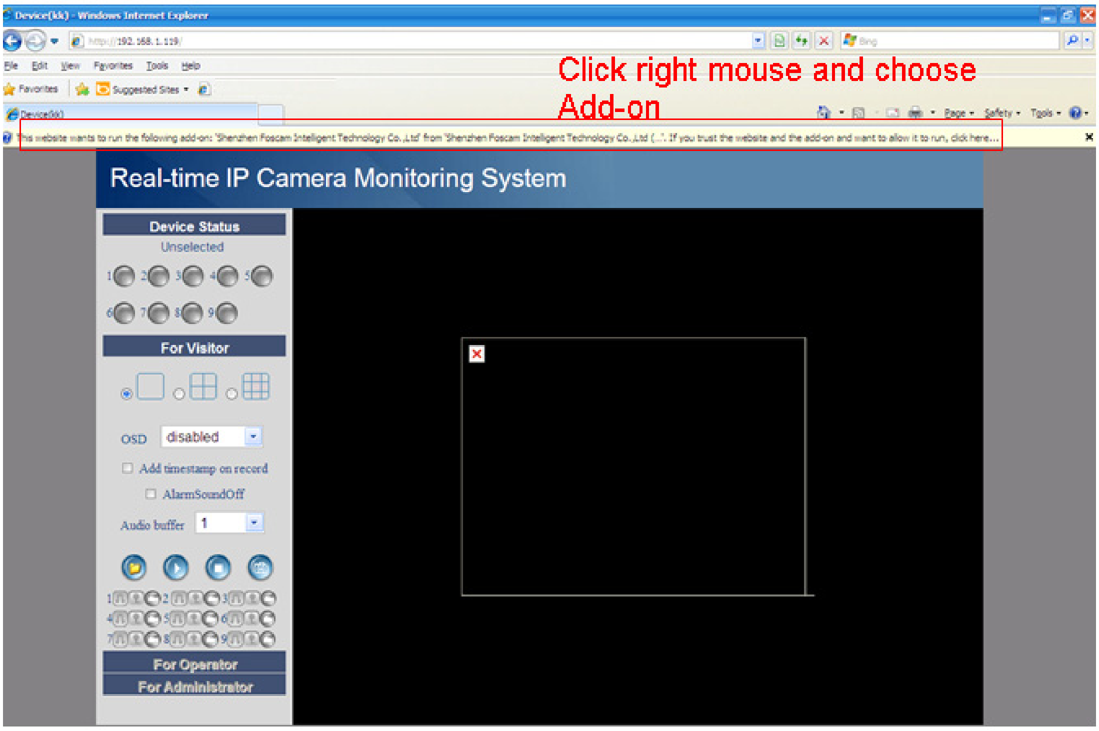


Figure 2.10

The first time you login the UI. You will receive an activeX prompt as in the picture above. (Figure 2.10) Right click on the active prompt and choose **Run Add-on**(Figure 2.11).

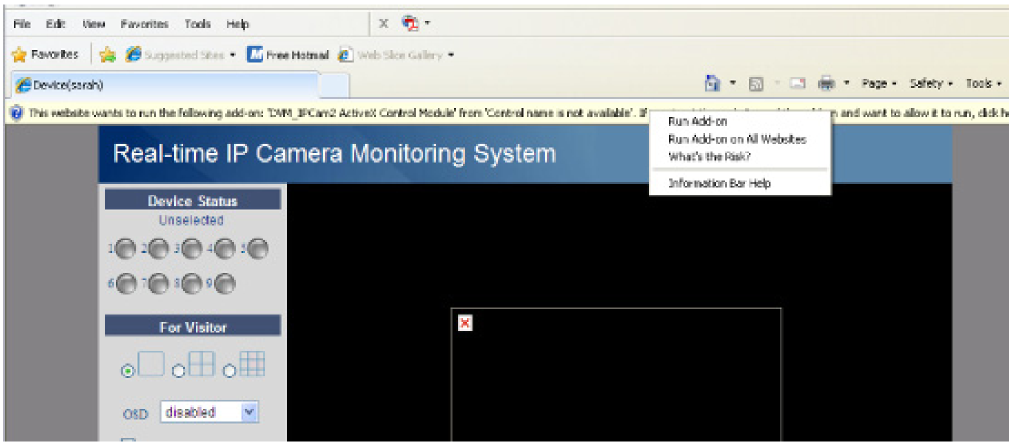


Figure 2.11

Select **Run** on the next prompt (Figure 2.12) which will return to the login screen.

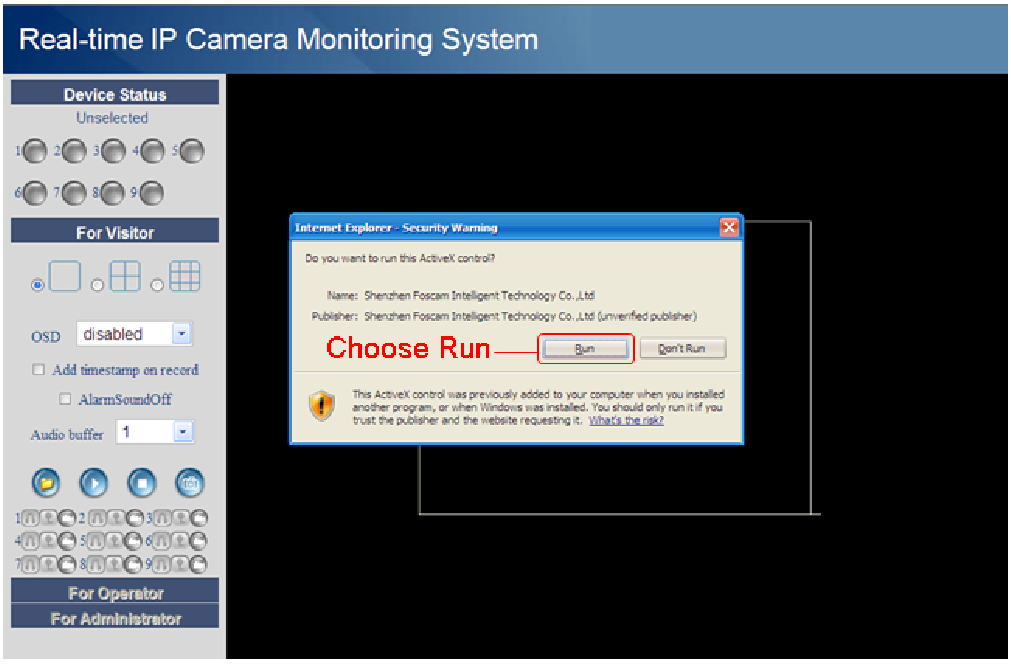


Figure 2.12

Fill in the user name and select login again. You will see a live video. (Figure 2.13)

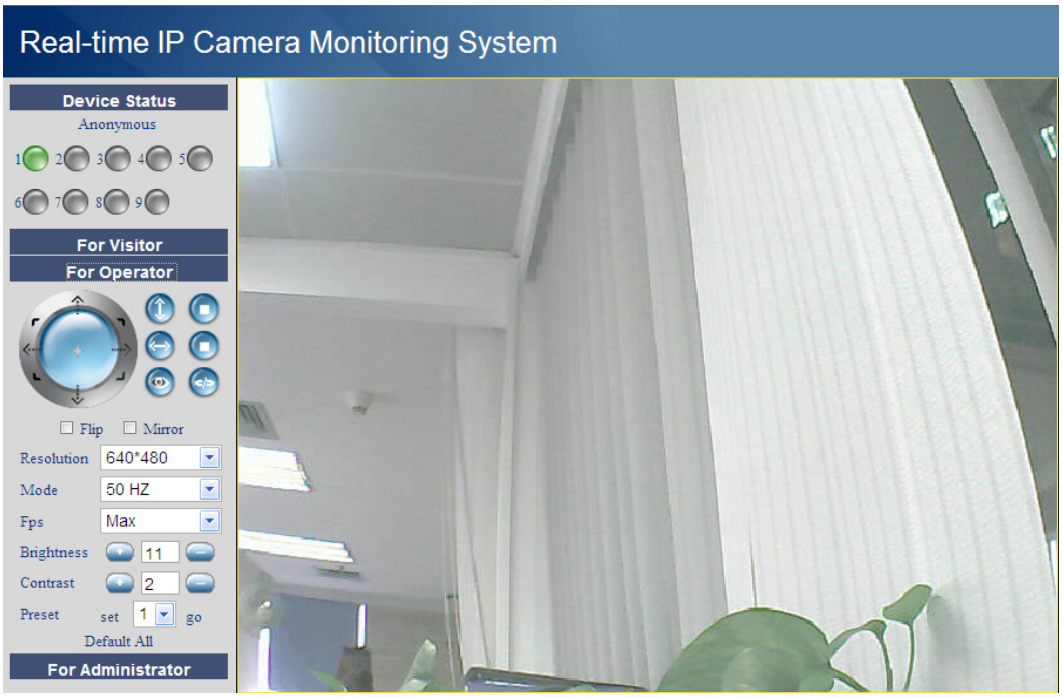
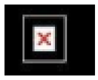


Figure 2.13

NOTE: If you could not view living video after running the activeX. Only a red cross  in the center of the video or just a black screen. Please change another port number to try. Don't use port 80.Use port 85, 8005 or 8100 to try.

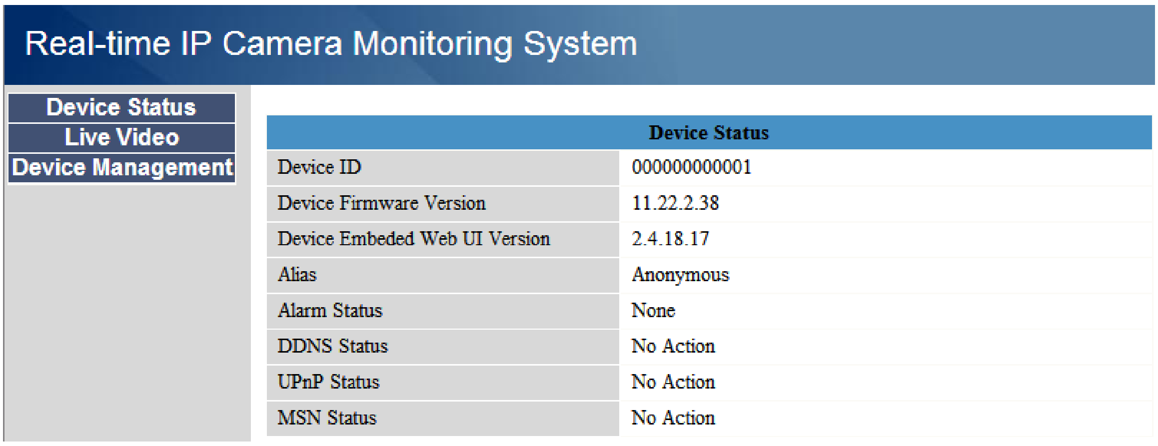
Make sure all firewall or antivirus software on your computer does not block the active download and installation. If you are unable to run the activeX control, try shutting down the firewall or antivirus program.

For Firefox, Google Chrome, Safari or other standard browser

Fill in the user name and choose the second login button.

It may ask you for user name and password again before you login the UI.

After you enter the user name, you will see **Device Status** of the camera.



Device Status	
Device ID	000000000001
Device Firmware Version	11.22.2.38
Device Embeded Web UI Version	2.4.18.17
Alias	Anonymous
Alarm Status	None
DDNS Status	No Action
UPnP Status	No Action
MSN Status	No Action

Figure 2.14

Click **Live Video**, you will see the camera's live video.

Shenzhen Foscam Intelligent Technology Co., Limited
Tel: 86 755 2674 5668 Fax: 86 755 2674 5168

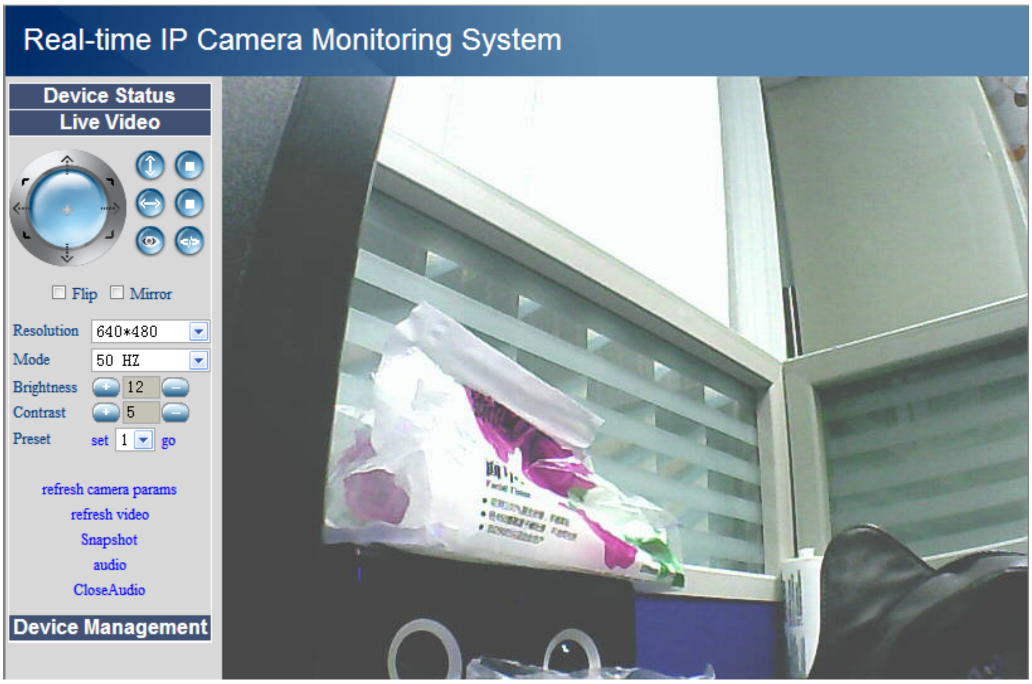


Figure 2.15

2.3 Device Status

For IE browser

If the camera is connected properly the light of the device status will show green.

If the light show yellow check if the activeX is enabled or change another port number and try again.



Figure 2.16

If you want to view the device information, choose **For Administrator** and then click **Device info** (Figure 2.17)

.

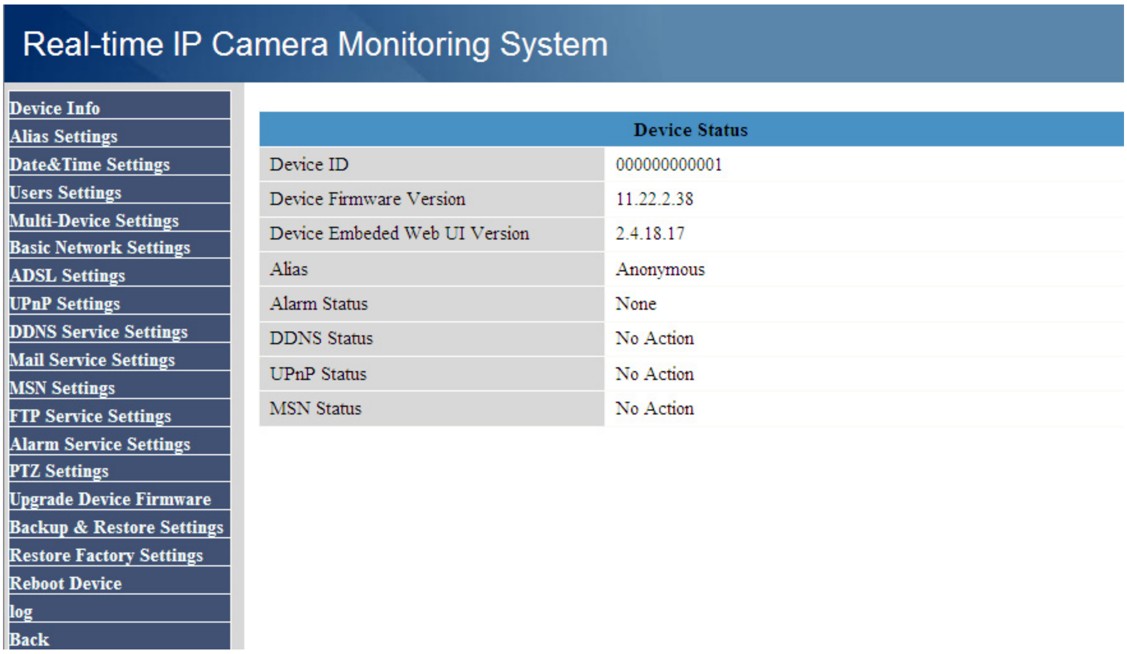


Figure 2.17

For Firefox, Google Chrome and Safari

When you login the UI, you will see **Device Status** which is the same as **Device Info** in IE browser. (Figure 2.14)

2.4 For Visitor

For IE browser

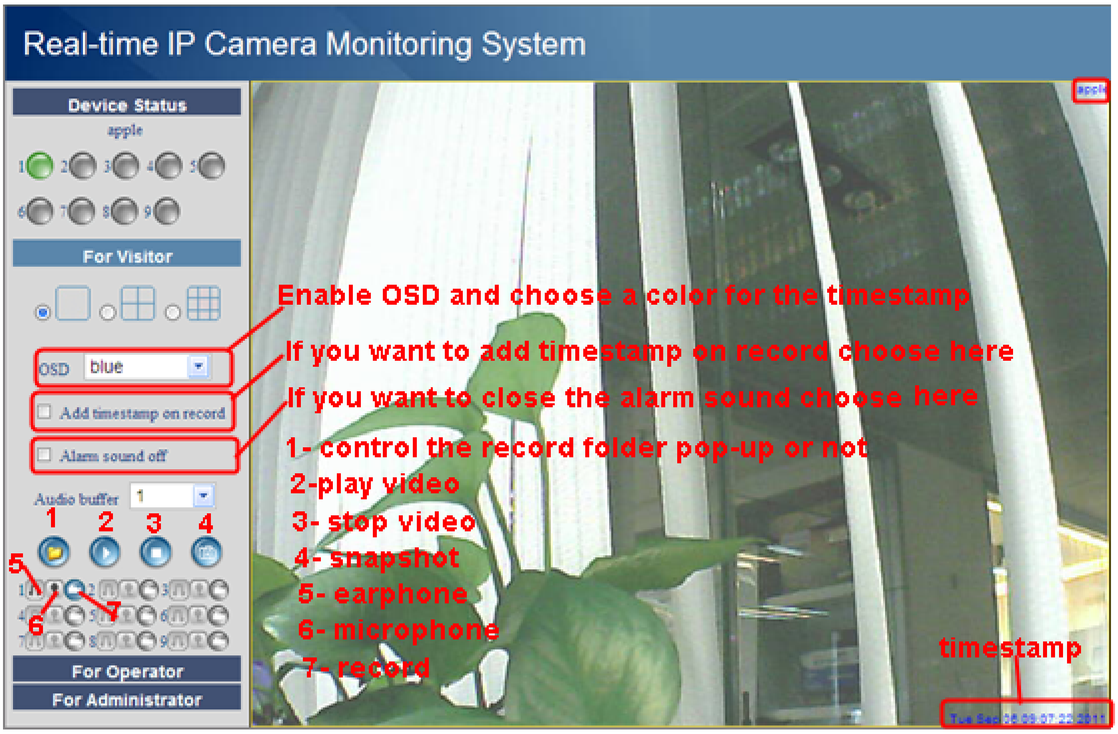


Figure 2.18

Multi-device window: The firmware inside the camera supports up to maximum of 9 cameras monitoring at the same time. You can add cameras in multi-device settings.

OSD: OSD is used to add timestamp on the video. There are five character colors to choose

from.
Add timestamp on record: Select this option if you want to add a timestamp on record
Alarm sound off: If you want to close the alarm sound, select this option. You can not hear the alarm sound when the motion is detected.
Audio buffer: Audio buffer with units set as number of seconds

: When you enable motion alarm, the camera will record automatically and store the recording file to the folder you set. This icon is used to control the folder pop-up automatically or not.

: Click the headphone icon and you will hear sound captured by the camera's built-in microphone. You may need to plug in earphones or enable the computer speakers to hear from the camera's microphone..

: Click the speaker icon and then talk through your computer's microphone which will transmit through the camera's speaker**.** People will hear your talking through the camera's built-in speaker.
Record: Click the record icon. The camera will begin recording and store the .avi file to the folder you set. (Figure 3.3) Click the record icon again to stop the recording.
For Firefox, Google Chrome and Safari
You will see the picture like Figure 2.14 when you login the camera as a visitor.

2.5 For Operator

For IE browser
Click For Operator, the following screen will appear (Figure 2.19)

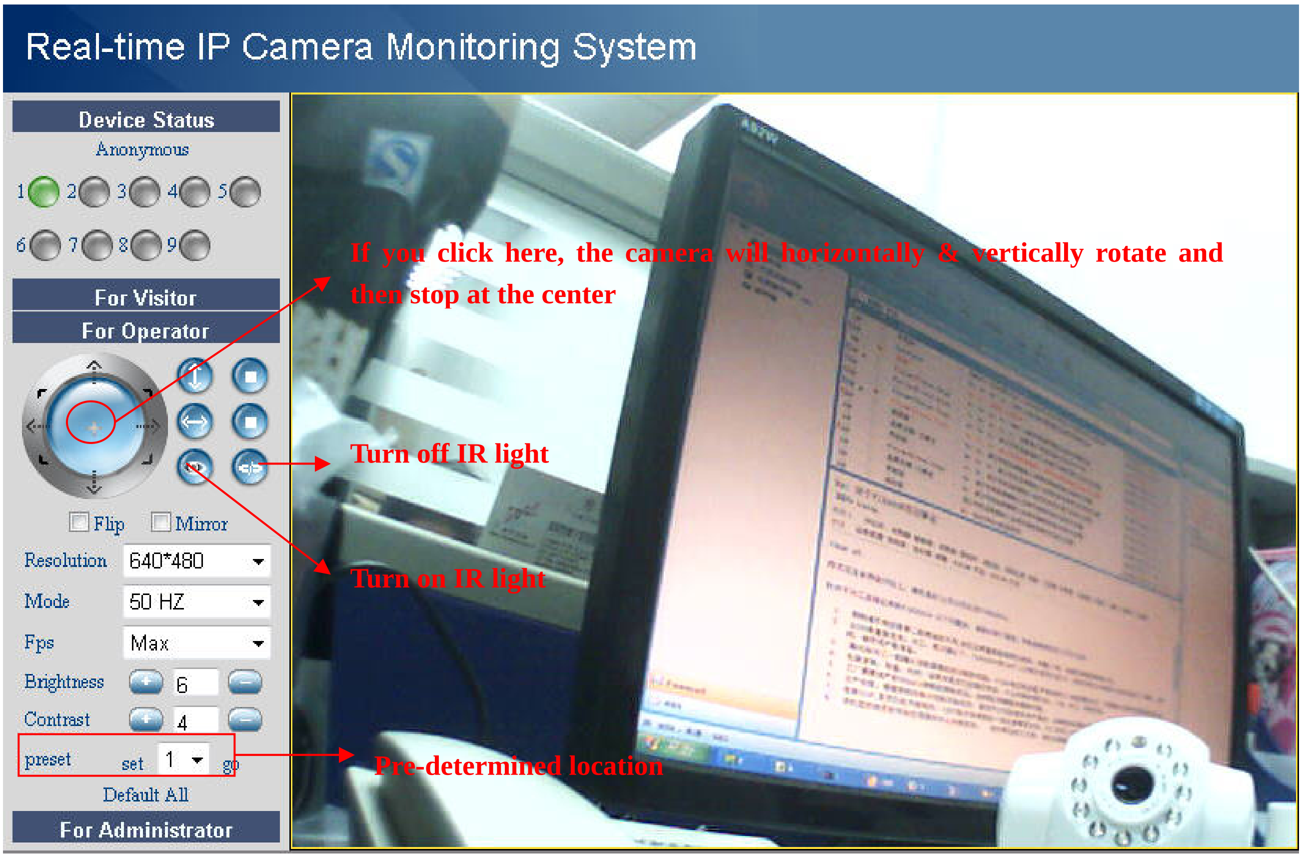


Figure 2.19

: Click this icon; camera will rotate up and down. Click to stop.

: Click this icon; camera will rotate left and right. Click to stop.

: Click this icon, all the IR lights will turn on. Click to turn off them.

Flip & Mirror: You can choose flip or mirror if you set up the camera to show a reverse image.
Mode: There are three modes. (50HZ, 60HZ and outdoor)
Brightness and **Contrast** are also used to adjust the quality of the video.
Preset: You can set a pre-defined location with this function. Once you have determined the viewing location, click the button “set”. This location can be retrieved by selecting the number assigned and clicking the “go” button.

For Firefox, Google Chrome and Safari

Click **Live Video**. There are several differences between IE and Firefox.
In Firefox, the snapshot button is under **For Operator**. Other functions under Live Video include: refresh video, refresh parameters, audio and close audio. (Figure 2.20a)



Figure 2.20a

audio: Connect speakers or earphone or other audio output device with PC. Click "audio" and you will hear sound from the IPCAM built-in microphone.

Closeaudio: Click Close audio to turn off audio.

NOTE: You must have installed VLC before using this function. If you have not,download and install the plugin from http://www.videolan.org (Figure 2.20b) and install it.

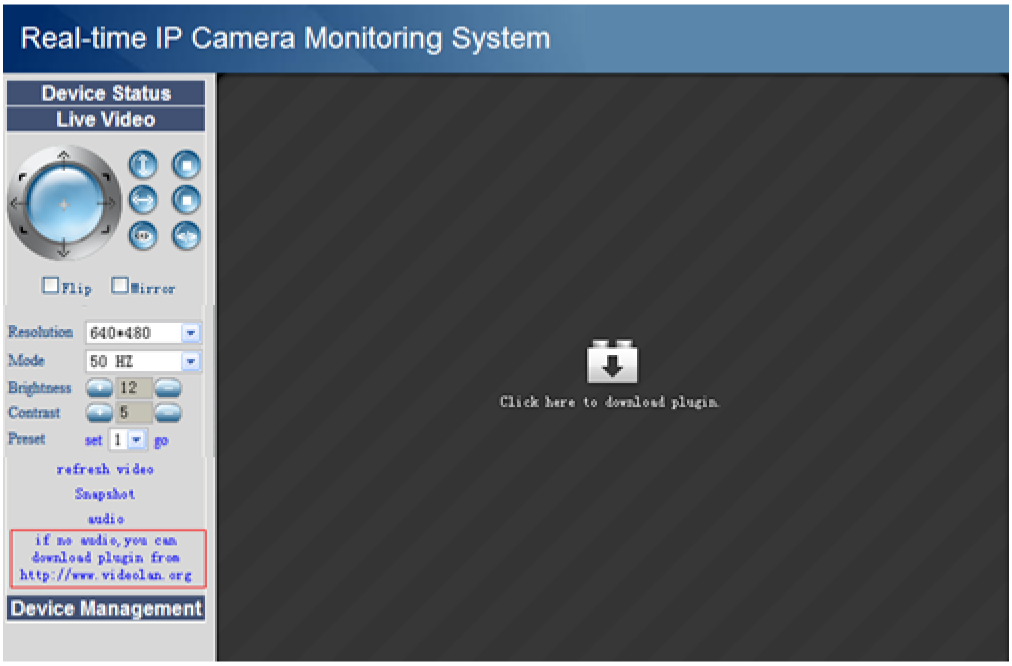


Figure 2.20b

During the installation, you must select Mozilla plugin as in Figure 2.20c.

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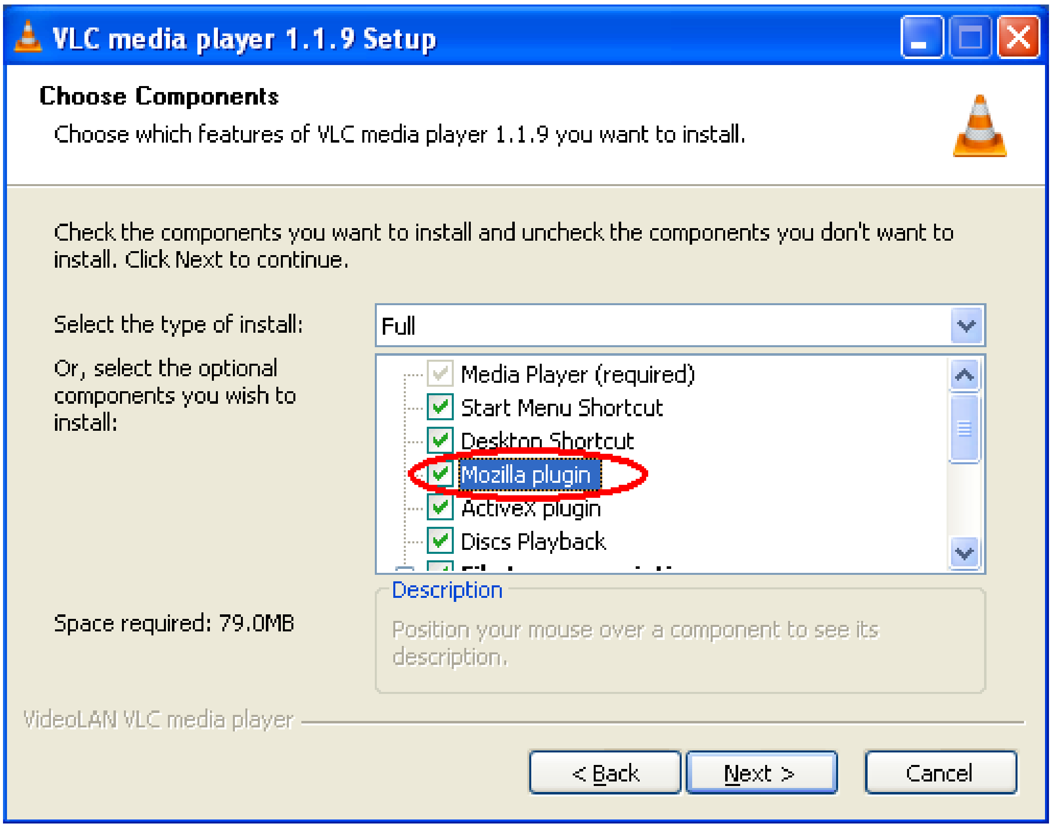


Figure 2.20c

2.6 For Administrator

For IE browser

Click **For Administrator**. You will see the **Device Status**.

It contains device ID, firmware version of the camera and other status of the camera.

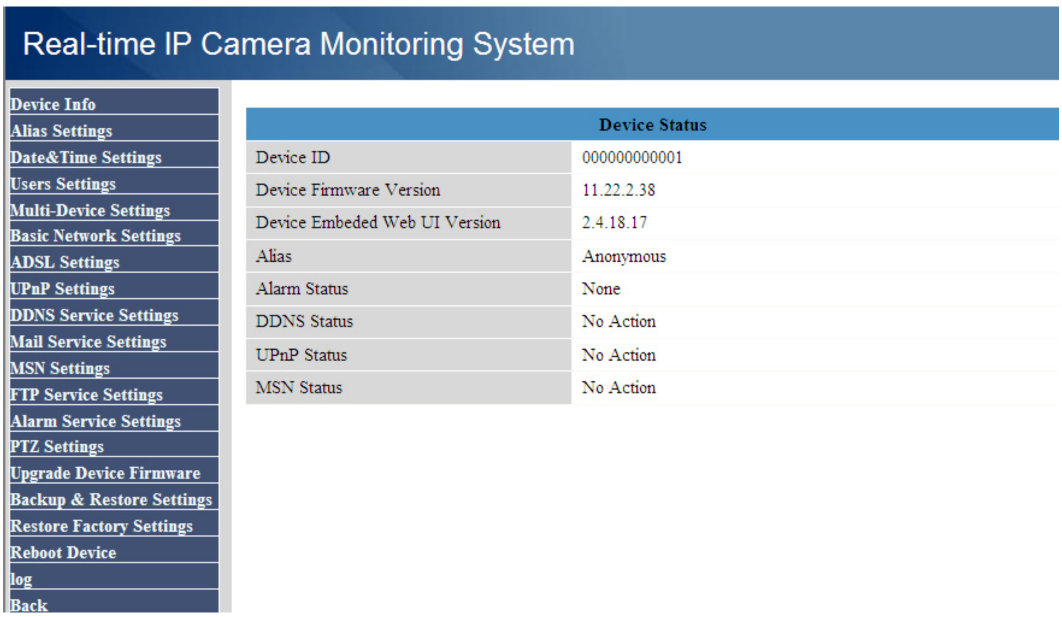


Figure 2.21

For Firefox, Google Chrome and Safari

Click **Device Management** and you will enter the settings page for administrator.

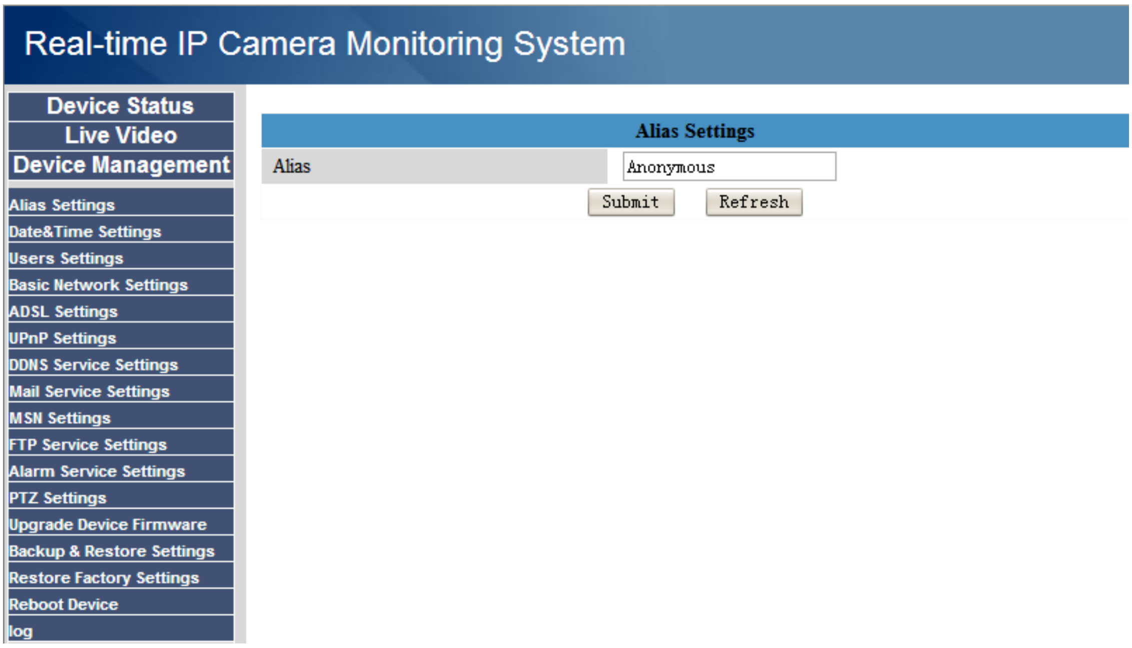


Figure 2.22

We can see the difference from Figure 2.21 and Figure 2.22.

IE has the three following options which are not the same in Firefox, Google Chrome and Safari:

Device Info: This is similar to **Device Status** which will have the same information as IE.

Multi-Device Settings: Since this function is controlled by activeX, it is not available in Firefox or Google Chrome.

Back: In Firefox or Google browser, you must click Live Video or Device Status to go back.

NOTE: Record and multi-device function are controlled by activeX controller, therefore Firefox or Google Chrome will not allow these functions.

3 How to configure settings in For Administrator

3.1 Alias Settings

Default alias is anonymous. You can set a name for your camera here such as Ipcam. Click **Submit** to save your change. (Figure 3.1)

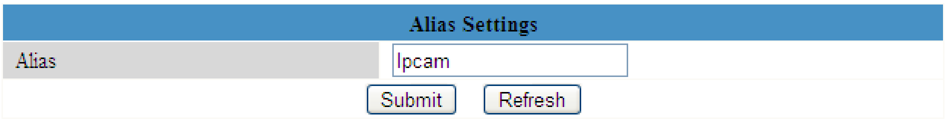


Figure 3.1

3.2 Date & Time Settings

Choose the clock timezone of your country. You can choose **Sync with NTP Server** (Figure 3.2a) or **Sync with PC Time**. (Figure 3.2b) If your country is implementing the Daylight Saving Time, here you can set it for your camera(Figure 3.2c).

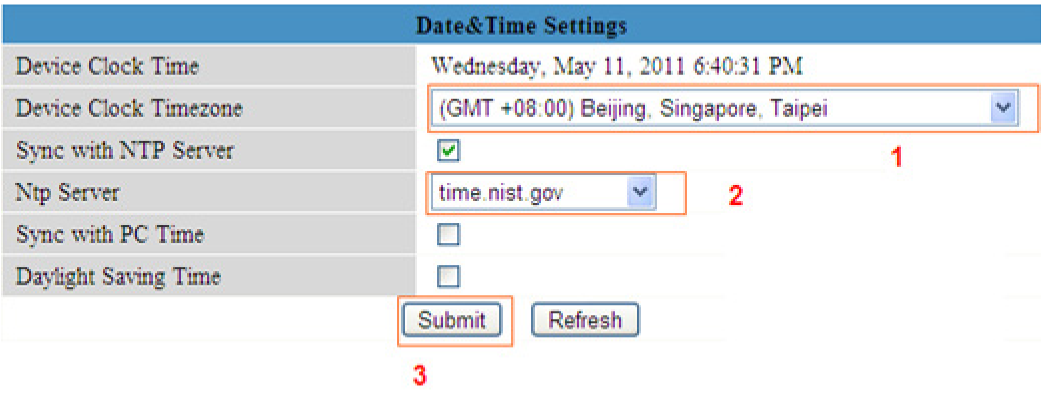


Figure 3.2a

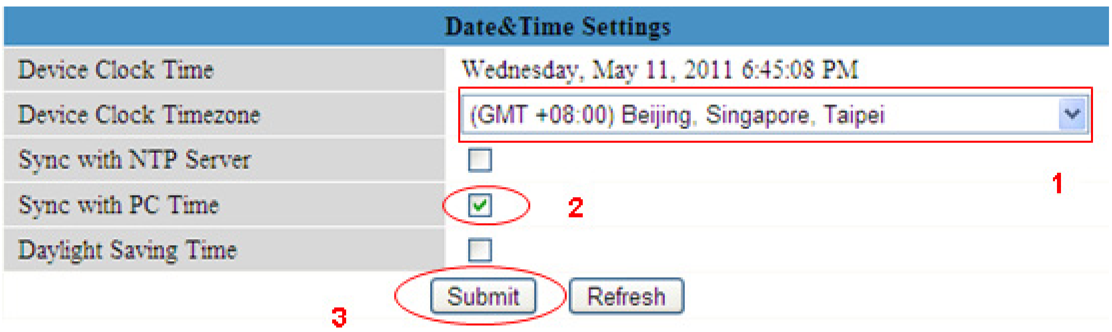


Figure 3.2b

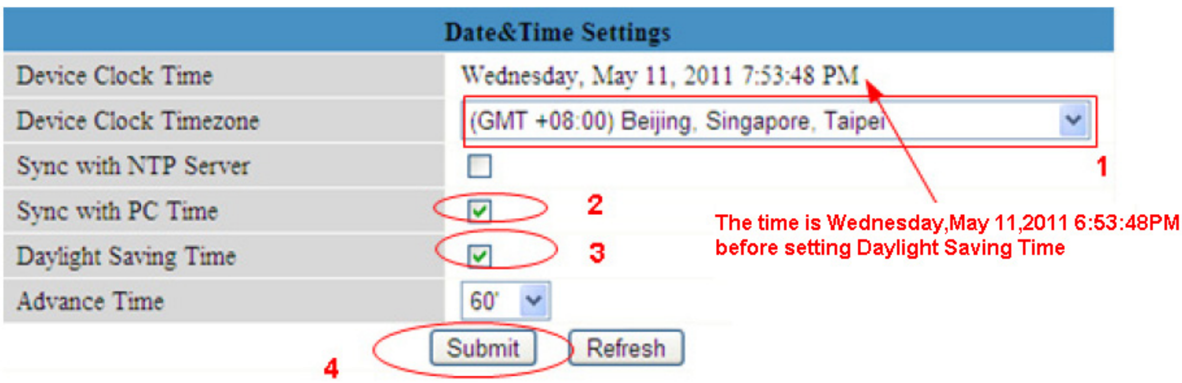


Figure 3.2c

3.3 User Settings

You can set permission for visitor, operator and administrator.
Click **Submit** to save these settings. The camera will reboot.

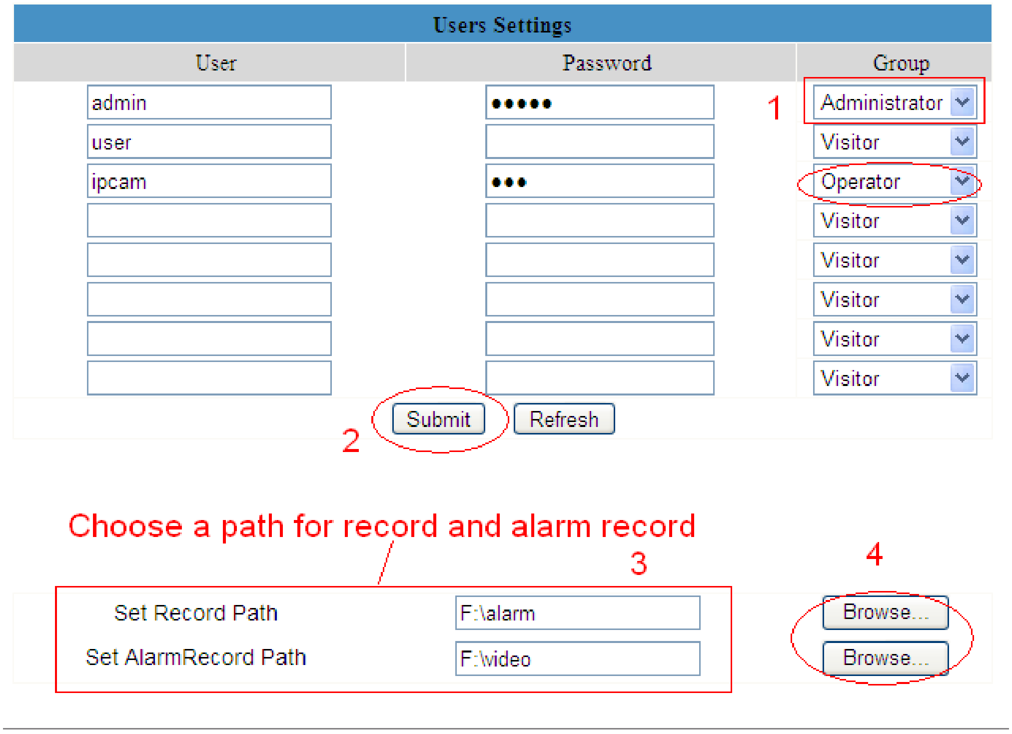


Figure 3.3

Here you can set the record file path and the alarm record file path for the camera. Click **Browse** and choose the path. Record Path will store the file of the recording when you record manually. (Click record icon to record. Figure 2.18)

Alarm record path will store the file of the recording when it is activated by motion. (you must set motion alarm first) (Figure 3.23)

The default path for Record Path and Alarm Record Path is C:\Documents and Settings\All Users\Documents.

NOTE: In Windows7 or Vista, if you cannot change the record path. Please set as below:

Windows7 or Vista's security level is higher than Windows XP/2000.For "set record path" function, add the Device IP address to the IE's 'Trusted sites' first as follows:

IE browser→Tool→Internet Proper→Security→Trusted sites→Sites→Add

3.4 Multi-Device Settings

The firmware inside the camera can support a maximum of 9 devices monitoring at the same time.

3.4.1 Add cameras in LAN

In Multi-Device Settings page, you can see all devices searched in LAN. The 1st Device is the default one. You can add more cameras in the list in LAN for monitoring. The camera's software supports up to 9 IP Cameras online simultaneously. Click **The 2nd Device** and click the item in the **Device List in LAN**, the Alias, Host and Http Port will be filled in the boxes below automatically. Enter the correct username and password then click **Add**. Add more cameras in the same way. After all cameras have been added, choose **Submit**.

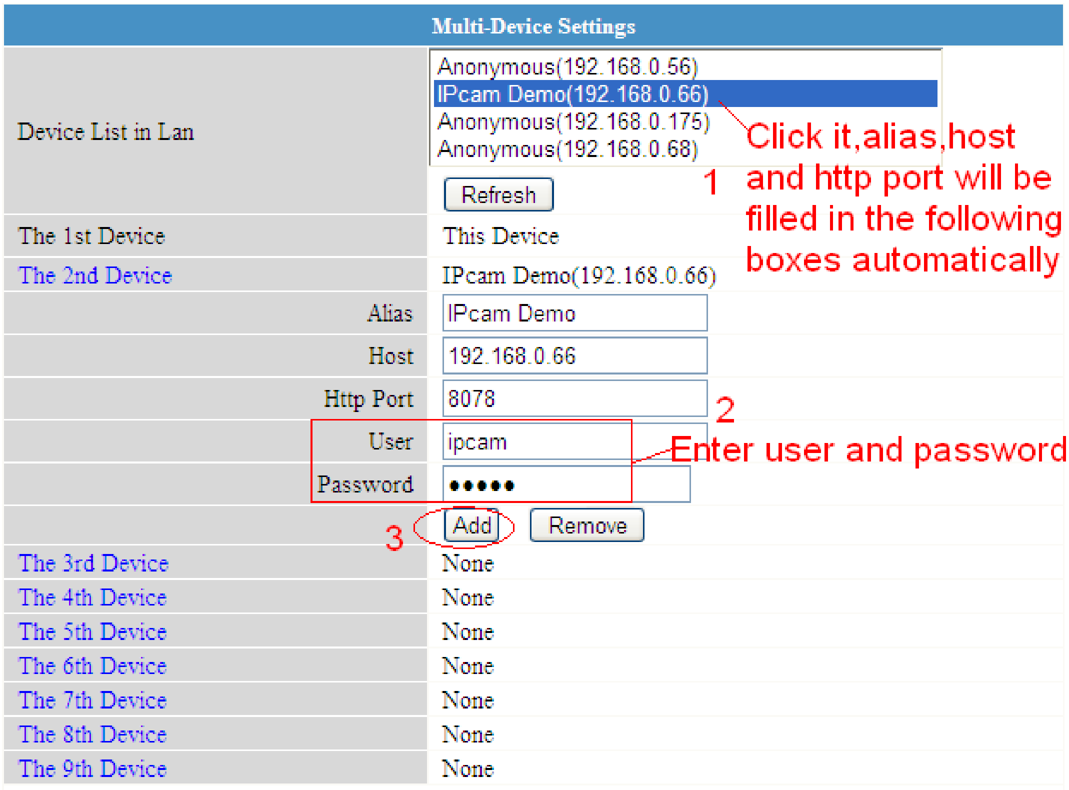


Figure 3.4

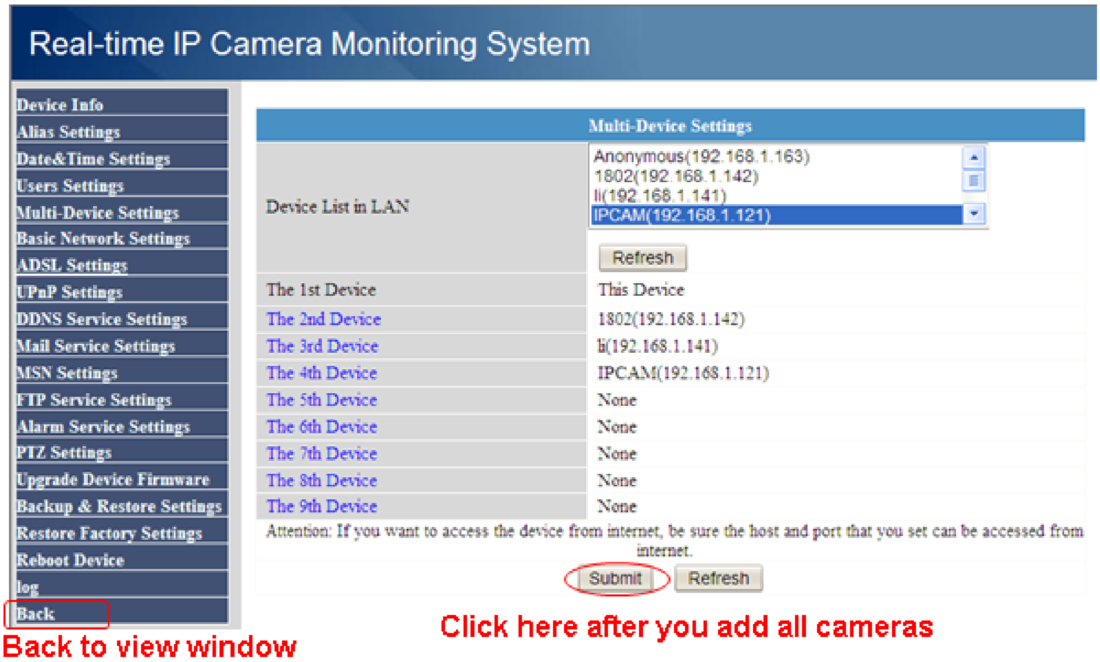


Figure 3.5

Choose **For Visitor** and then click the four windows option. You will see all four cameras you added.



Figure 3.6

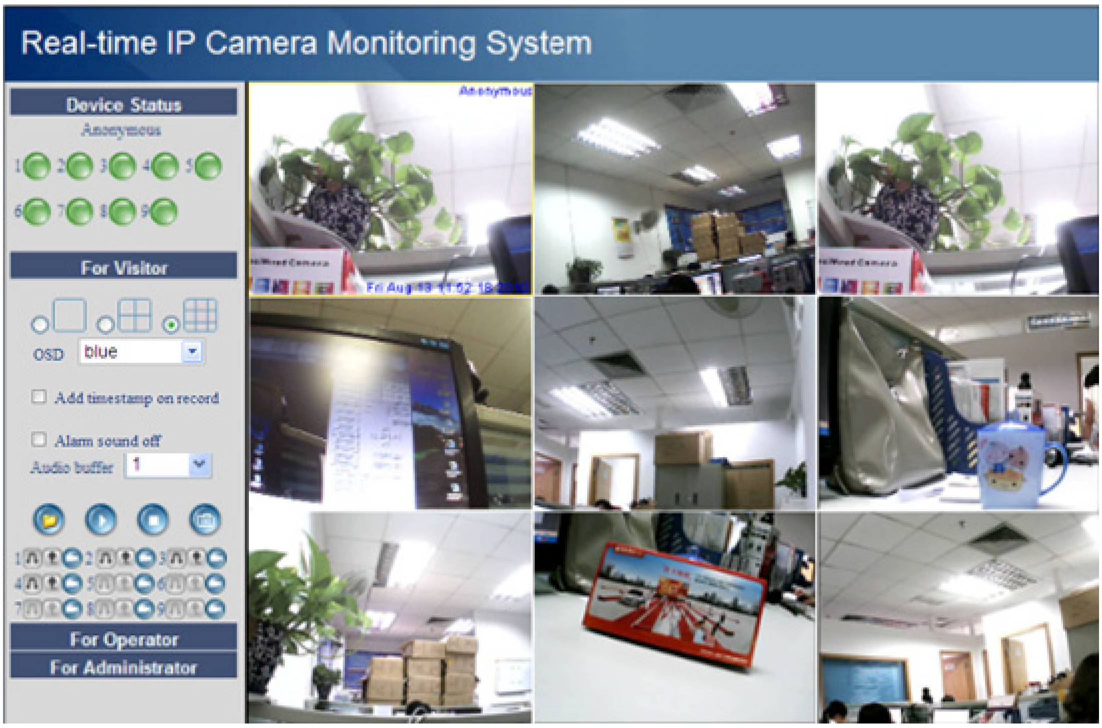


Figure 3.7

3.4.2 Add cameras in WAN

If you want to view all cameras via internet(remote computer), you will need to add them use DDNS domain name. First, make sure all of the cameras you added can be accessed through the internet. (read **How to set DDNS settings** in **Quick Installation Guide**)
Login the first camera using a DDNS domain name and port.

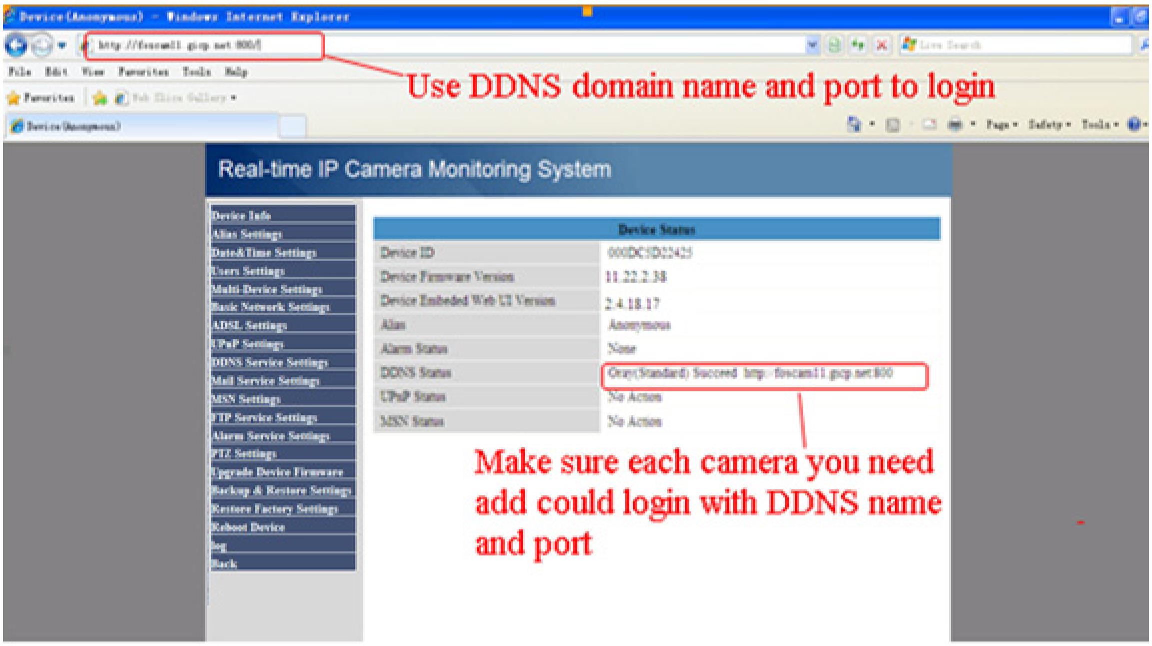


Figure 3.8

If you have several cameras, you can use the same DDNS domain name; you only need to set a different port number for each camera.

Click **Multi-Device Settings**. Choose **The 2nd Device**. Fill in the 2nd camera's name, DDNS domain name, port number. Enter user name and password and then choose Add. (Figure 3.9)

NOTE: Here Host must be filled in the second camera's DDNS domain name, not its LAN IP.

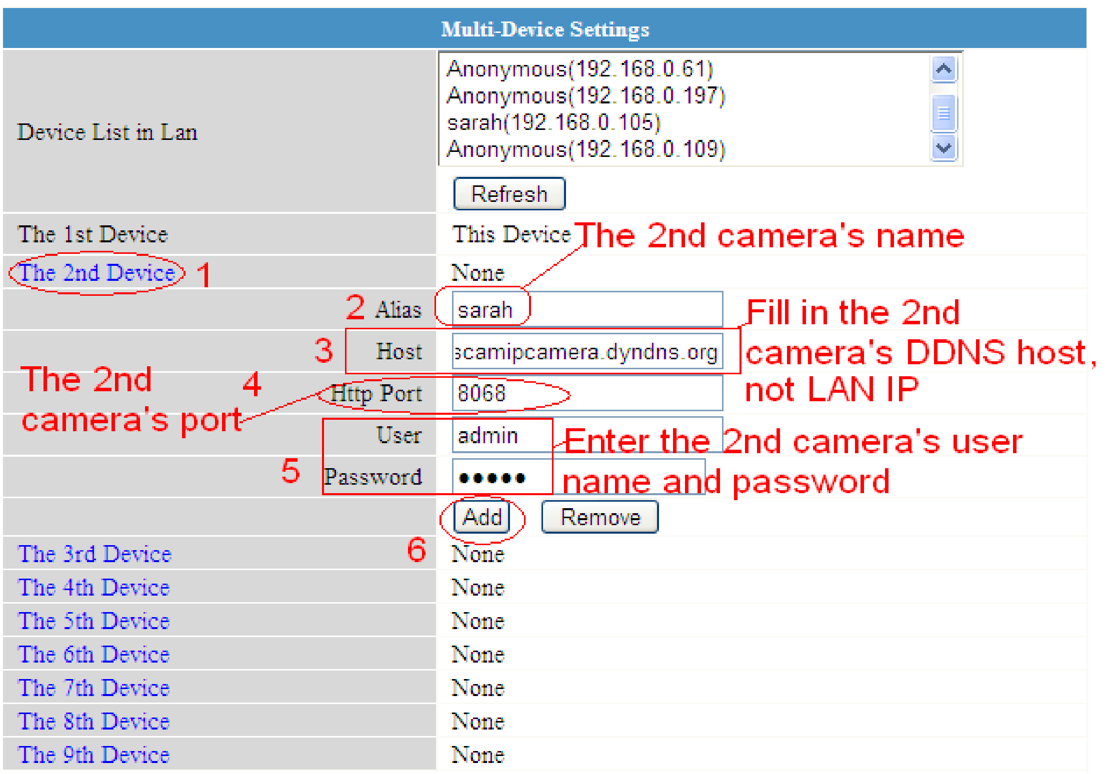


Figure 3.9

Add the other cameras in the same way. Click **Submit** to save.

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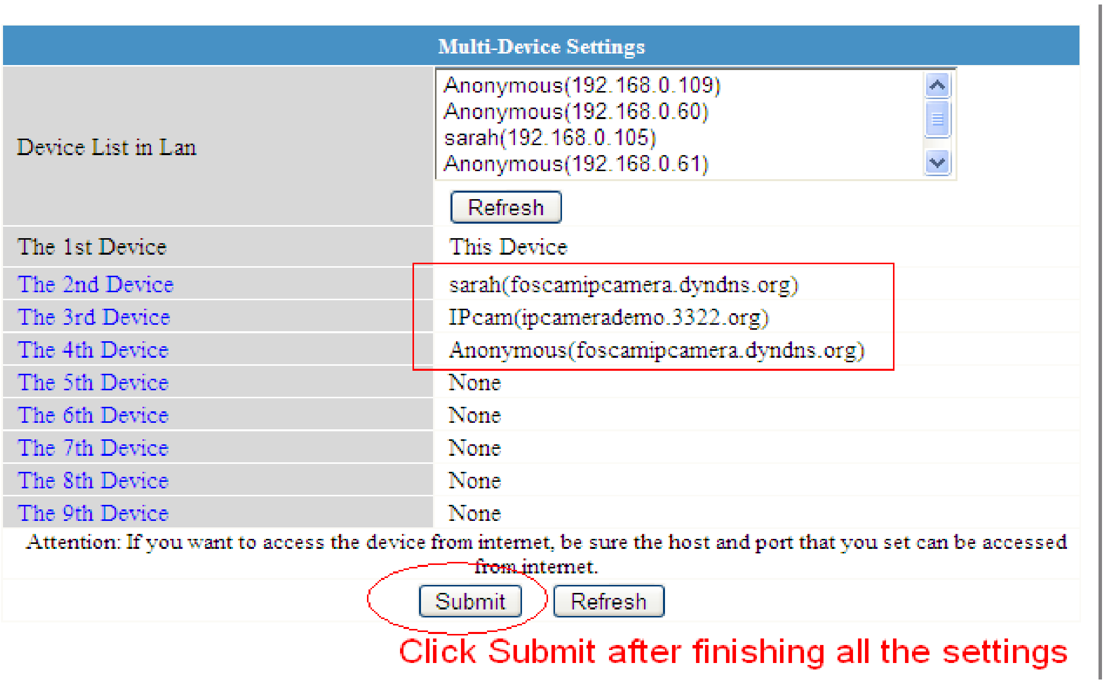


Figure 3.10

Go back to video window. You will see all of the cameras accessible through the internet

When you are away from home, you can use the first camera's DDNS domain name and port to view all the cameras via internet.



Figure 3.11

3.5 Basic Network Settings

If you want to set a static IP for the camera, select **Basic Network Settings**. Keep the camera in

the same subnet of your router or computer.

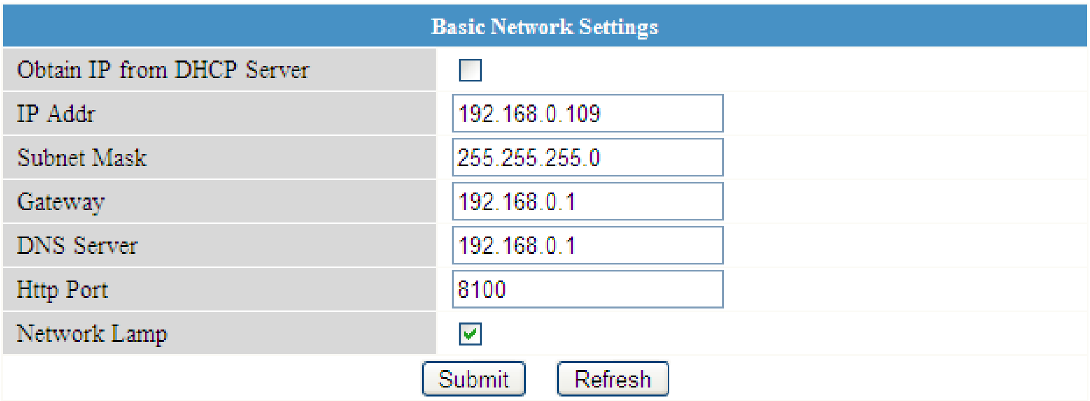


Figure 3.12

It is the same result if set these settings in IP Camera Tool. (Figure 2.5)

If you don't know the subnet mask, gateway and DNS server, you can check your computer's local area connection as follows:

Control Panel→Network Connections→ Local Area Connections → Choose **Support→Details** (Figure 3.14)

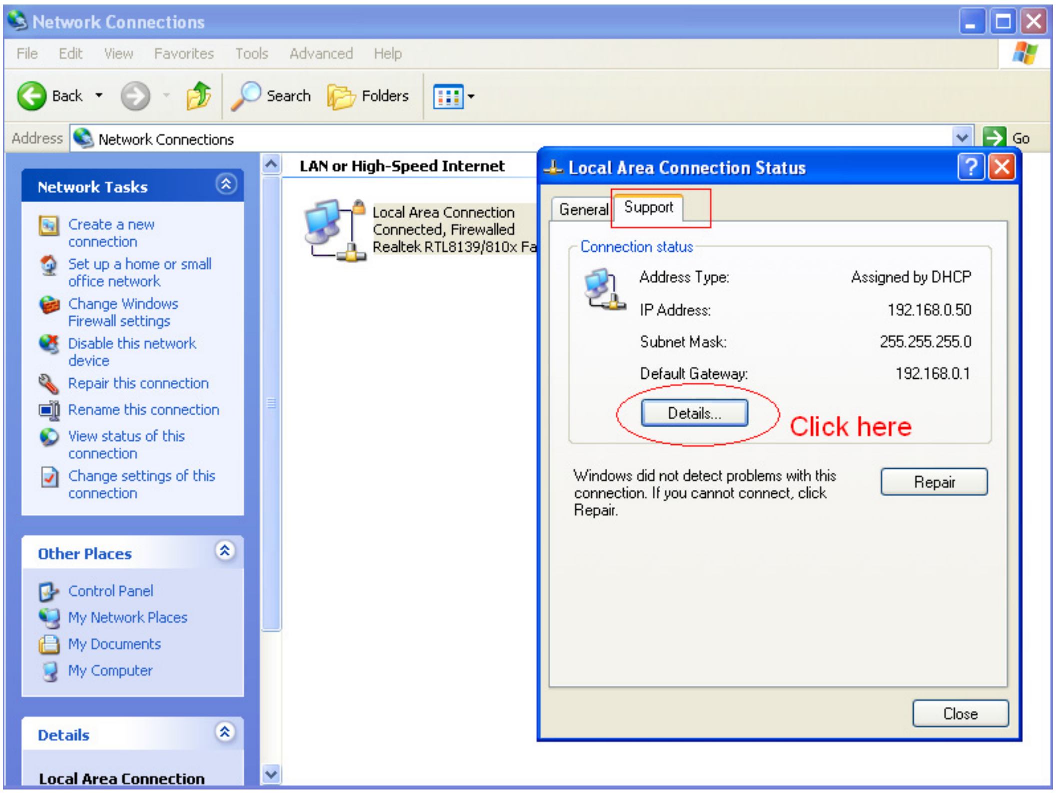


Figure 3.13

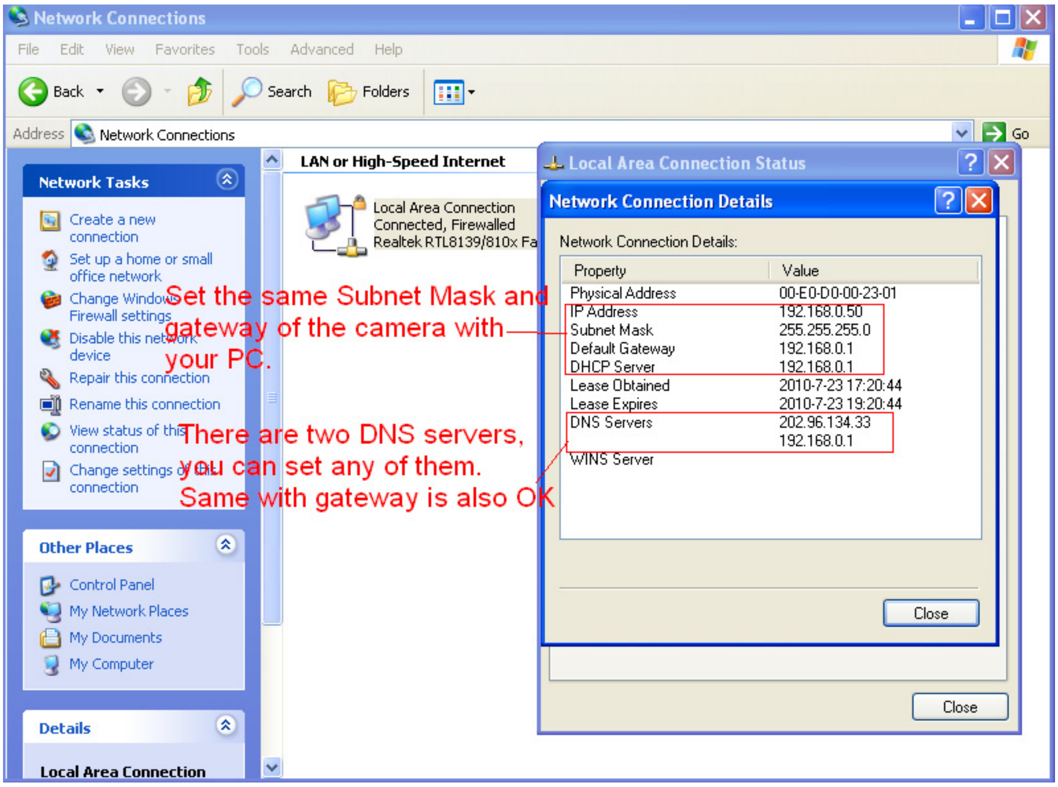


Figure 3.14

If you don't know the DNS server, you can use the same settings as the Default Gateway.

3.6 ADSL Settings

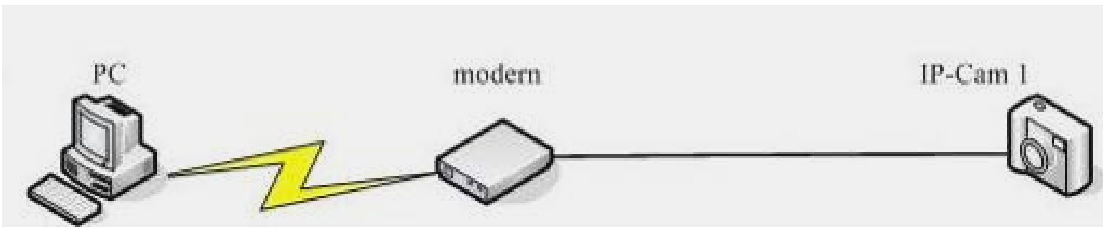


Figure 3.15

When connected to the Internet through ADSL directly, you can enter the ADSL username and password obtained from your ISP.

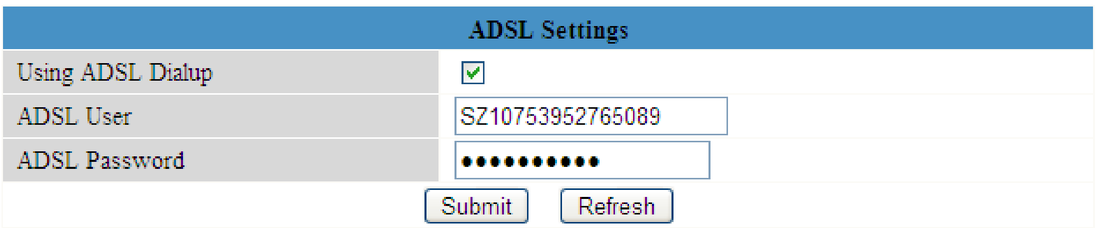


Figure 3.16

3.7 UPnP Settings

Choose **Using UPnP to MAP Port** and then click **Submit.**

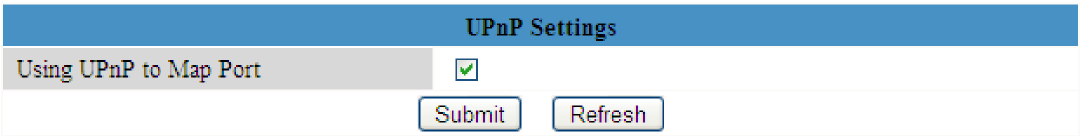


Figure 3.17

The camera's software will be configured port forwarding. We recommend you configure port forwarding manually on your router.

3.8 DDNS Service Settings

Please view the information in **Quick Installation Guide** about **How to set DDNS Service Settings**.

3.9 Mail Service Settings

If you want the camera to send emails when motion has been activated, **Mail Service Settings** will need to be configured.

.

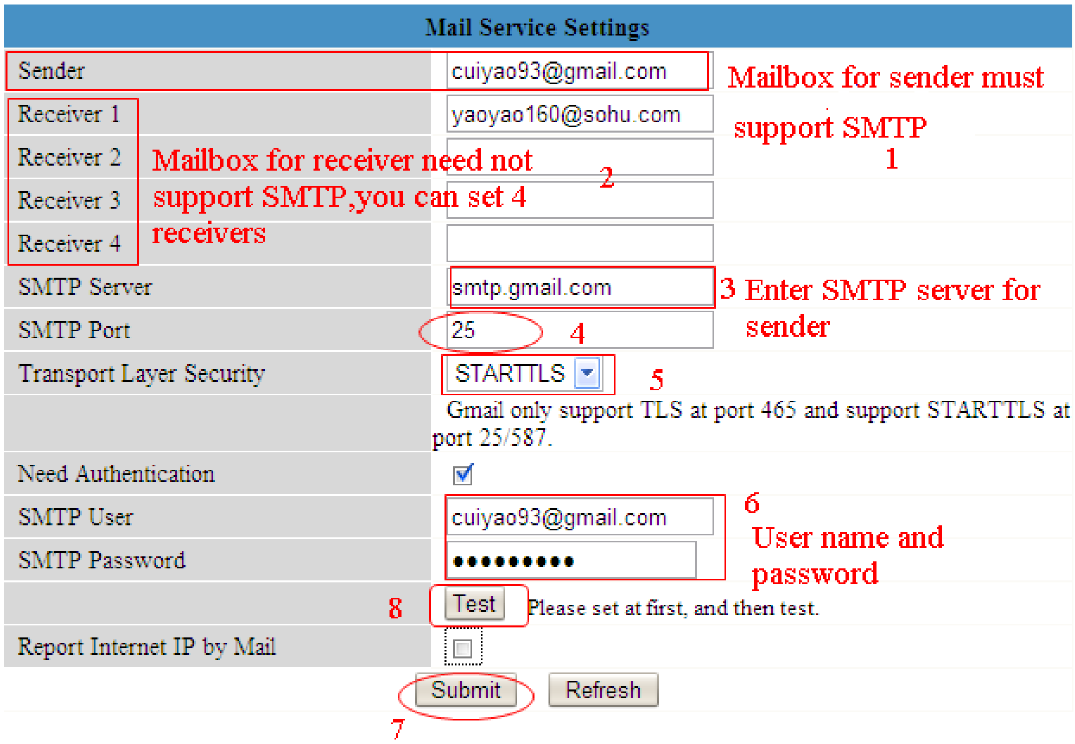


Figure 3.18

Make sure your mailbox for sender supports SMTP. Four recipients can be added to receive images. **SMTP port** is usually set as 25. Some SMTP servers have their own port, such as 587 or 465 and Transport Layer Security usually is None. If you use Gmail, Transport Layer Security must be set to TLS or STARTTLS and SMTP Port must be set to 465 or 25 or 587, which port you choose should be decided by which Transport Layer Security you select.

NOTE: Click **Submit** first before choosing **Test**.

Click **Test** to see if SMTP has been successfully configured.

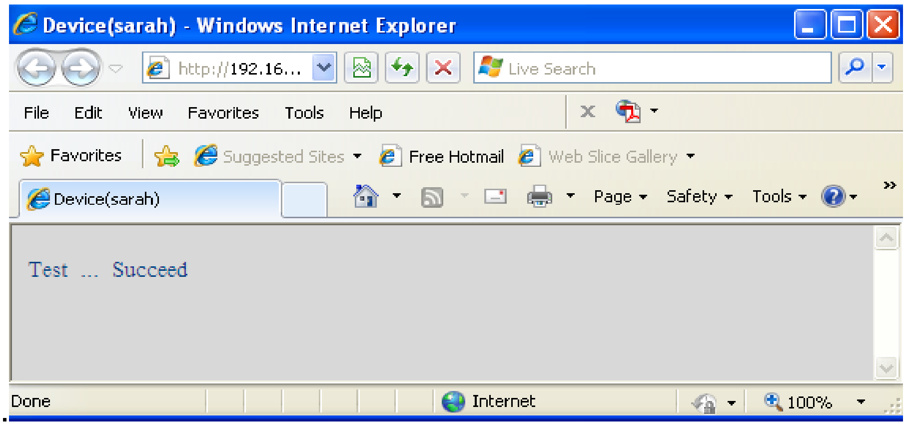


Figure 3.19

If an error occurs with one of the following errors after clicking **Test, verify** the information you entered is correct and select **Test** again.

1) Cannot connect to the server
2) Network Error. Please try later
3) Server Error
4) Incorrect user or password
5) The sender is denied by the server. Maybe the server need to authenticate the user, please check it and try again
6) The receiver is denied by the server. Maybe because of the anti-spam privacy of the server
7) The message is denied by the server. Maybe because of the anti-spam privacy of the server
8) The server does not support the authentication mode used by the device

Report Internet IP by Mail—If selected, you will receive emails which contains internet IP information such as When the camera is powered or the Internet IP has changed. (For example: IPCAM's urls is http://119.123.207.96:8068). Make sure the port is mapped to the router correctly.

3.10 MSN Setting

If you forget the domain name of the camera and you want to access the camera remotely, you must configure MSN.

Apply a MSN ID for IPCAM first, then do as the picture.

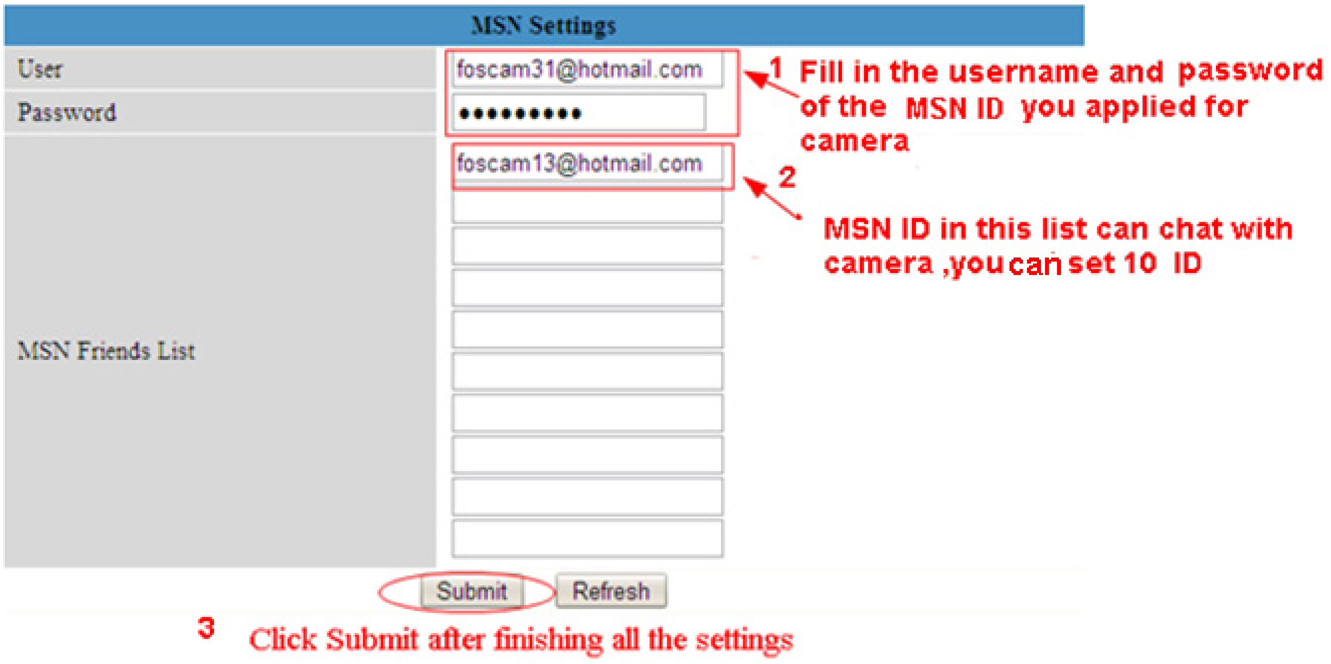


Figure 3.20a

Go back to the “Device Info” screen and verify the MSN settings are correct.

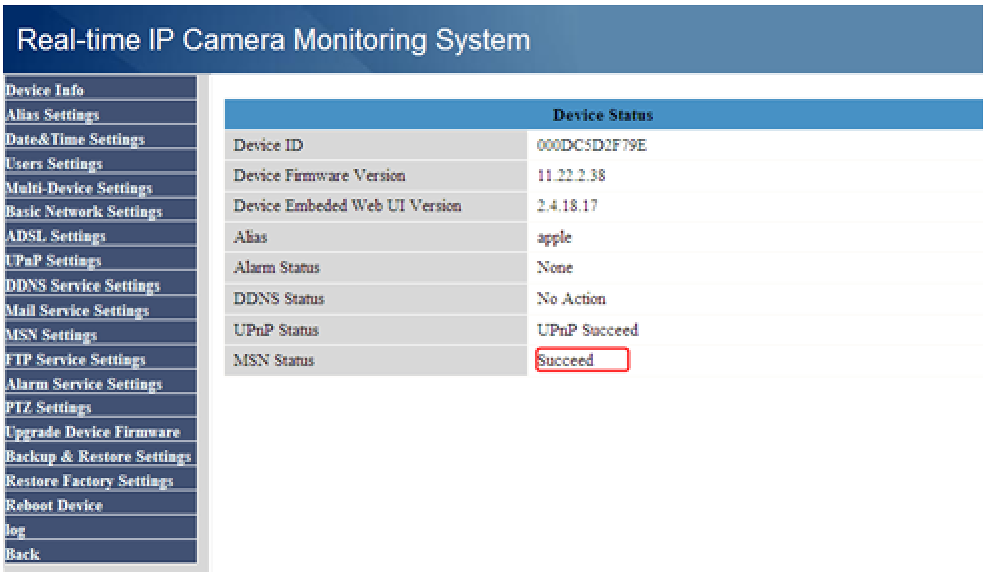


Figure 3.20b

All users entered on the MSN Friends list can chat with the camera .For example: “foscam13”(see Figure 3.20a,it is contained in the MSN Friends List) login MSN, double click the icon of “ foscam31 “(it is the MSN ID you applied for camera ,Figure3.20a) ,he or she can chat with IPCAM(Figure 3.21)

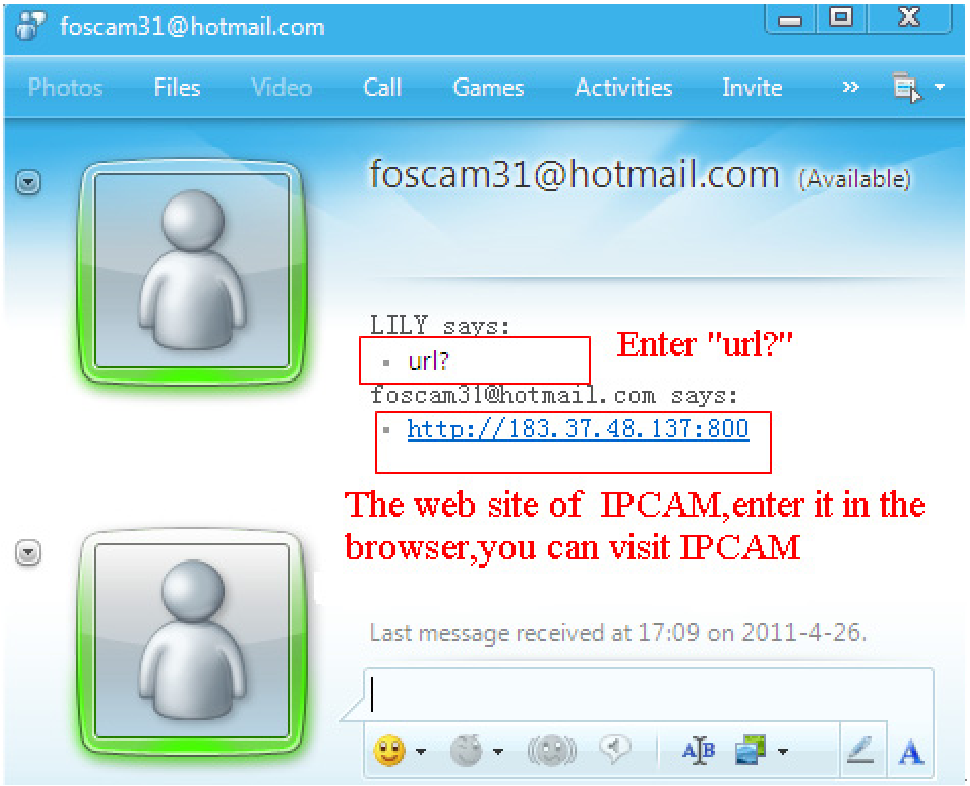


Figure 3.21

So,add your MSN ID to the MSN Friend List ,you can chat with camera and get the access address and then access the camera.

Note: When you login the camera by IP Camera Tool, you can't login MSN of camera at the same time.

3.11 FTP Service Settings

If you want to upload images to your FTP server, you can set **FTP Service Settings**.

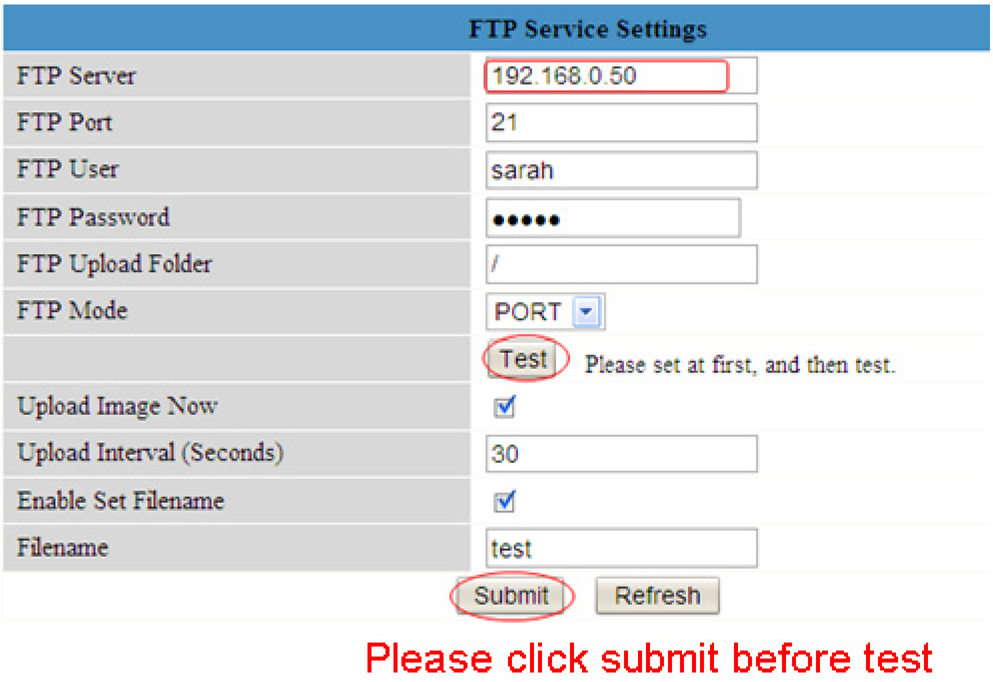


Figure 3.22

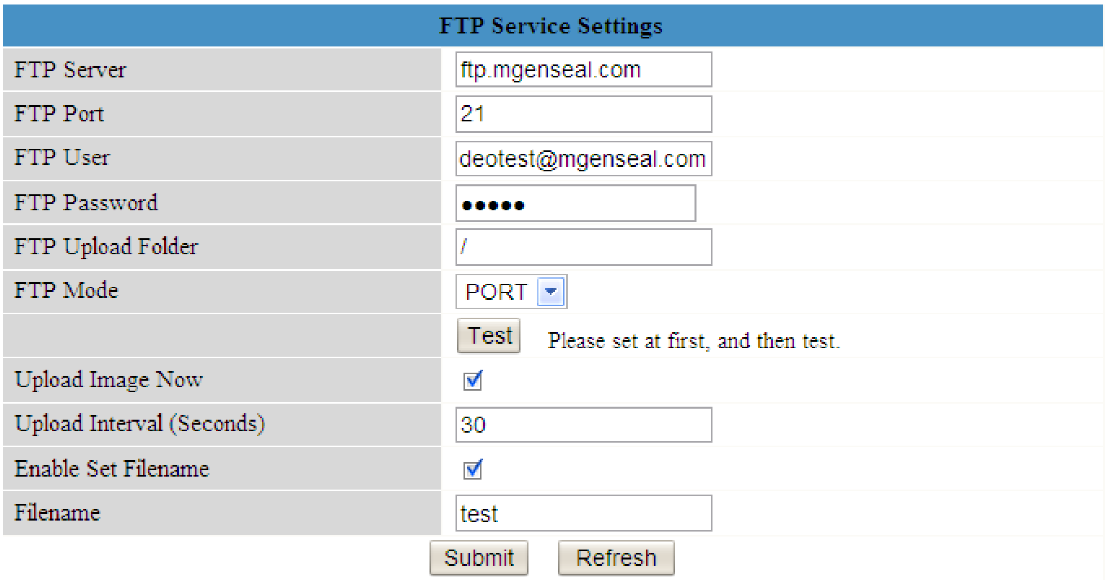


Figure 3.23

FTP server: If your FTP server is set up in LAN, you can set as Figure 3.22
If you have a FTP server which you can access on the internet, you can set as Figure 3.23
FTP Port: Usually the port is 21
FTP Upload Folder: Make sure that the folder you plan to store images exists. For camera couldn't create the folder itself. Also, the folder must be erasable.
FTP Mode: It supports standard (POST) mode and passive (PASV) mode
Upload Image Now: This option will upload images when you enable the checkbox.
Upload Interval refers to the time between the current image and the next image.
Enable Set Filename: You can set a name for the uploaded image when you enable the checkbox. If you select it, the uploaded image will be named after the filename you set. So the next image will cover the last image and the FTP Upload Folder will only have one uploaded image which named after the filename you set.
Filename: Fill in a name for the uploaded image. This name is different from the alarm image. You cannot change the name of the alarm image.
Click **Submit** to save these settings. Click **Test**. The following screen displays if it succeeded. (Figure 3.24).

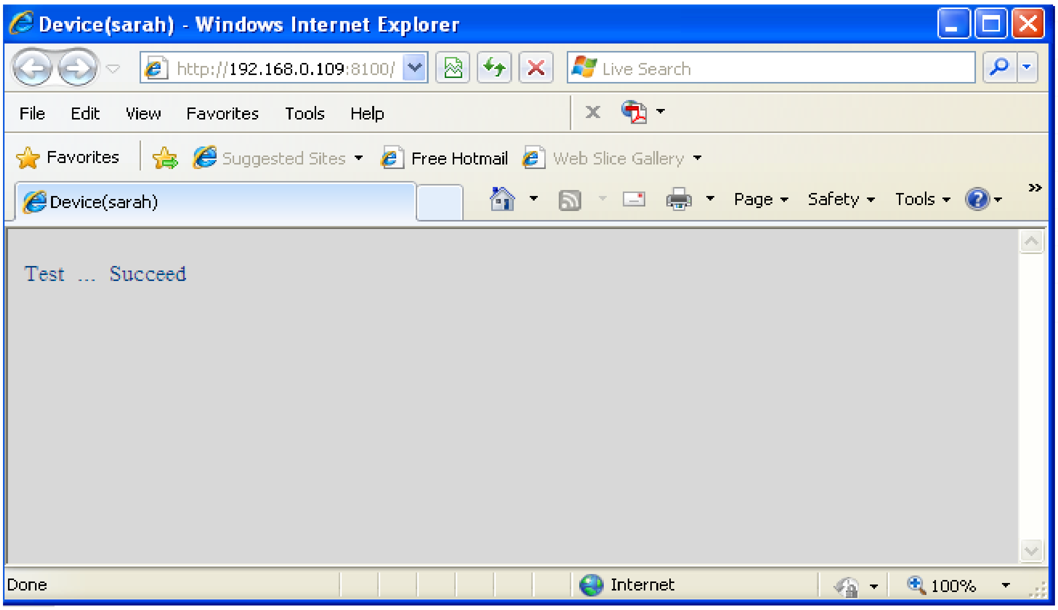


Figure 3.24

The following errors may occur:
1) Can not connect to the server. Check if the FTP Server is correct.
2) Network Error. Please try later.
3) Server Error.
4) Incorrect user or password. Check the username and password.
5) Cannot access the folder. Verify the folder exists and your account is authorized
6) Error in PASV mode. Verify the server supports PASV mode
7) Error in PORT mode. PASV mode should be selected if the device is behind a NAT
8) Cannot upload file. Verify your account is authorized
Check parameters. The format of image is similar to
00606E8C1930(sarah)_0_20100728114350_25.jpg
Check if your FTP server supports this file name format

3.12 Alarm Service Settings

If you enable **Motion Detect Armed**, it will send email alerts and upload images when motion has been detected.

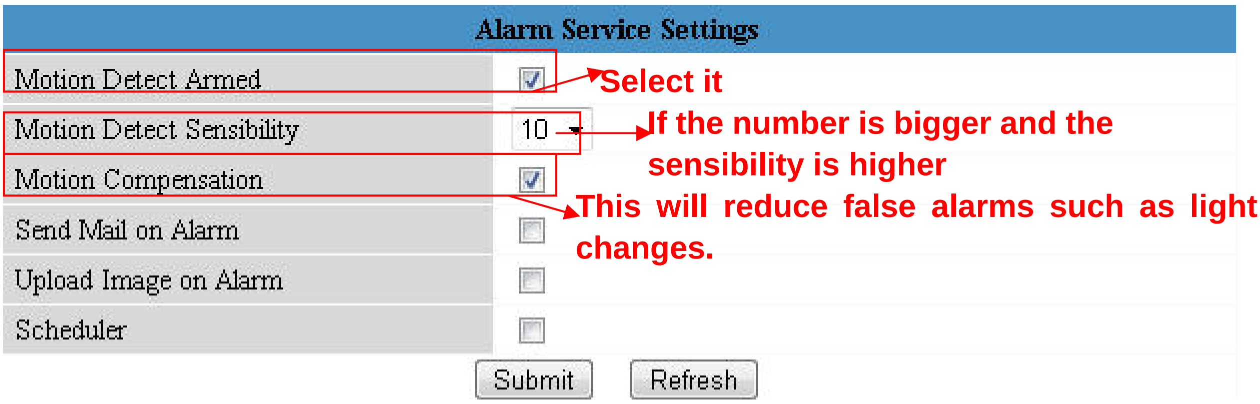


Figure 3.25

Device Status	
Device ID	000000000001
Device Firmware Version	11.22.2.38
Device Embeded Web UI Version	2.4.18.17
Alias	Anonymous
Alarm Status	Motion Detect Alarm Motion trigger
DDNS Status	No Action
UPnP Status	No Action
MSN Status	No Action

Figure 3.26

If motion is detected after you enable **Motion Detect Armed**, the Alarm Status will turn to Motion Detect Alarm.

There are five alarm indicators:

1) The light turns red when motion is detected.

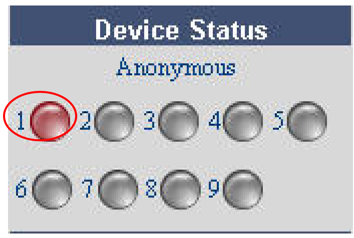


Figure 3.27

2) A beep sound when the light turns red.

3) The camera will record automatically for one minute after motion is detected. You can find the recording file in the folder which you set previously. (Figure 3.3)

4) Camera will send emails when motion is activated.

If you want to receive images when motion is detected, you must set **Mail Service Settings** first. (Figure 3.18) Then set motion alarm as follows:

Alarm Service Settings	
Motion Detect Armed	☑
Motion Detect Sensibility	10 ▾
Motion Compensation	☐
Send Mail on Alarm	☑ Select this option
Upload Image on Alarm	☐
Scheduler	☐
	Submit Refresh

Figure 3.28

If you want to specify when the camera sends mails in a specific time when motion is detected, You can choose Scheduler and set the time range for motion alarm. (Figure 3.30)

4) Upload images via FTP server when motion trigger.

To upload images to an FTP server when motion is detected, you must set **FTP Service**

Settings first and then set motion alarm as pictured below (Figure 3.29)

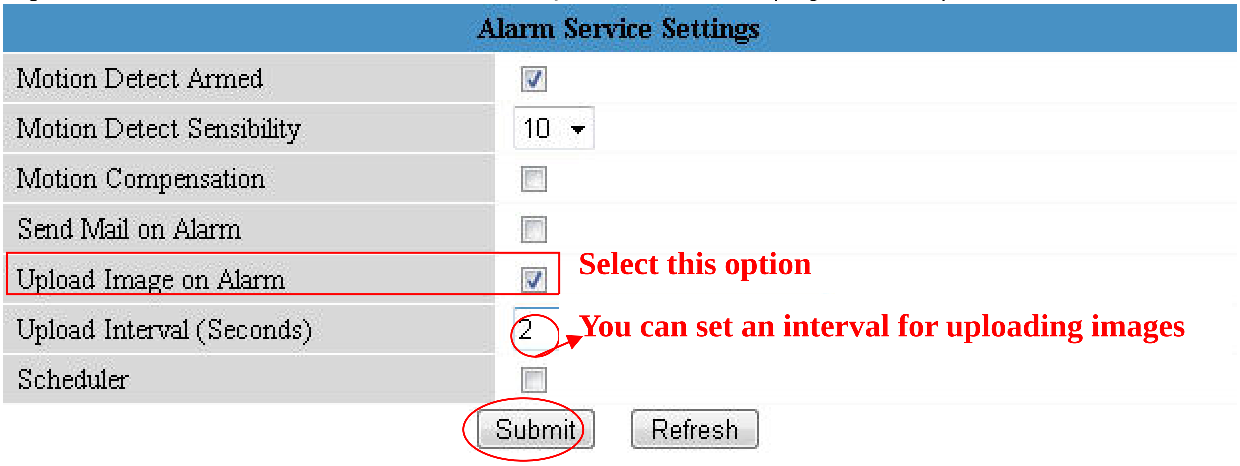


Figure 3.29

There are two ways to set the alarm.

1) Alarm at any time when motion is detected.

Don't choose **Scheduler**. Click Submit and the camera will alarm at any time when motion is detected.

Another way: Choose Scheduler, and click "set All", you can see all time box will turn blue as the following picture. Click Submit and the camera will alarm at any time when motion is detected

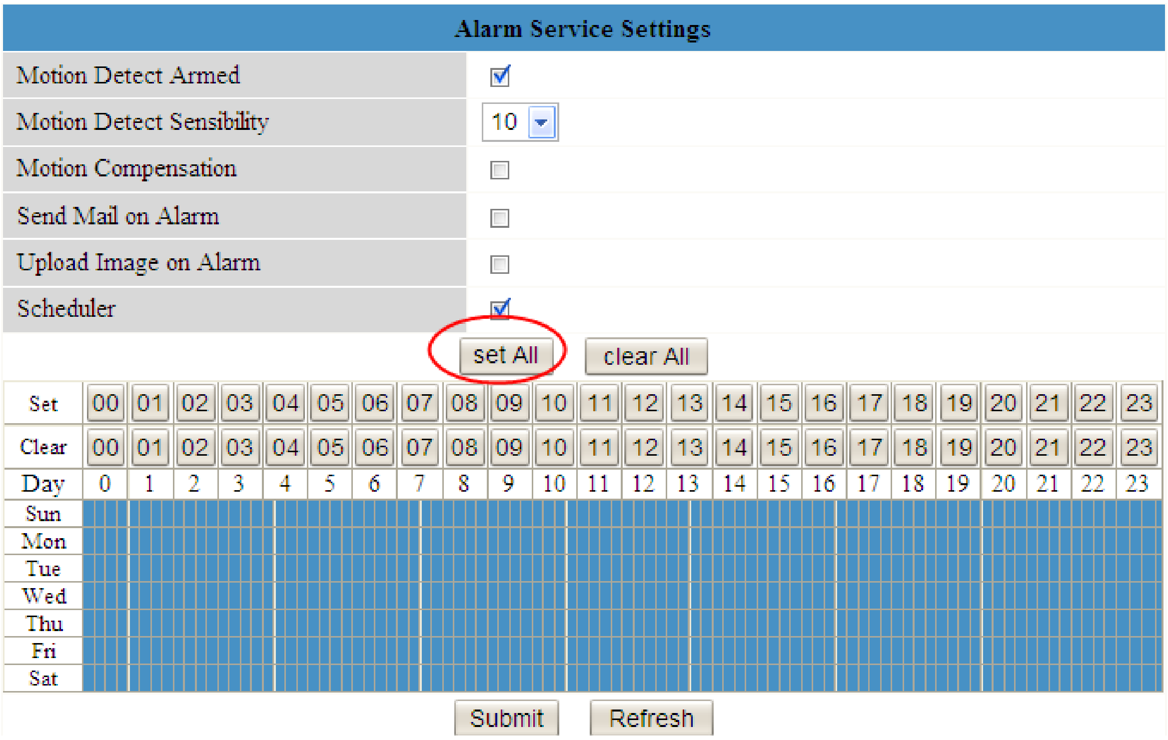


Figure 3.30

2) Specify an alarm schedule.

If you want the camera to alarm during the time you set select **Scheduler** and set time range.

If you want to select one serial area, you can click any number between 00 and 23 at the first row, the corresponding column will be selected and it will turn blue. For example, click the number "06" at the first row, you can see the column turn blue. That means the camera will alarm when motion is detected between 6 and 7 o'clock during everyday. Click the number"06" at the second row, you can cancel the corresponding column you set. And it will turn gray.

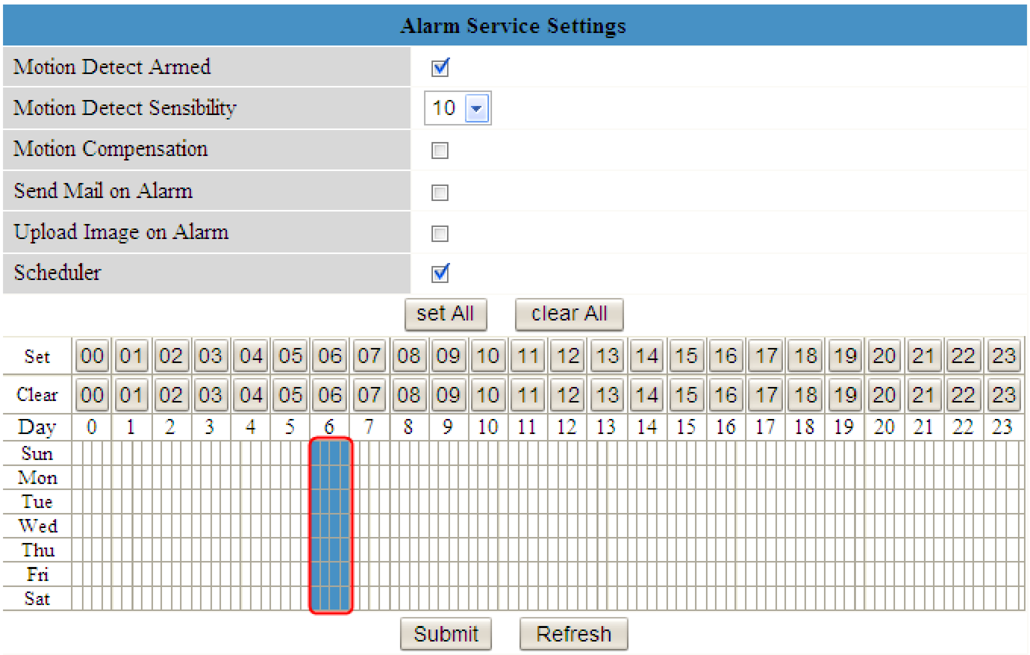


Figure 3.31

If you want to select discrete area, you can click left button on the box of time range. It will turn blue. If you want to delete it, just click the left button and It will turn gray.

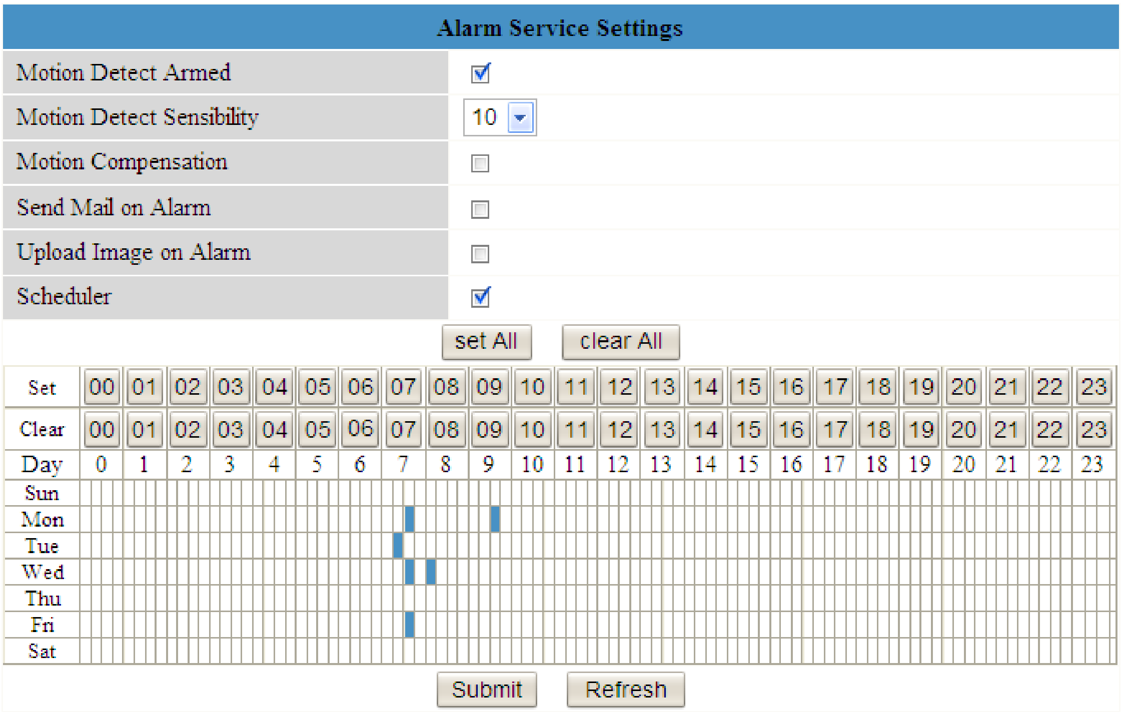


Figure 3.32

If you want the camera alarm at most time, you can select set All first and then click left button at the box you don't want the camera alarm even when the motion is detected. The box will turn gray. Click Submit and it will take effect.

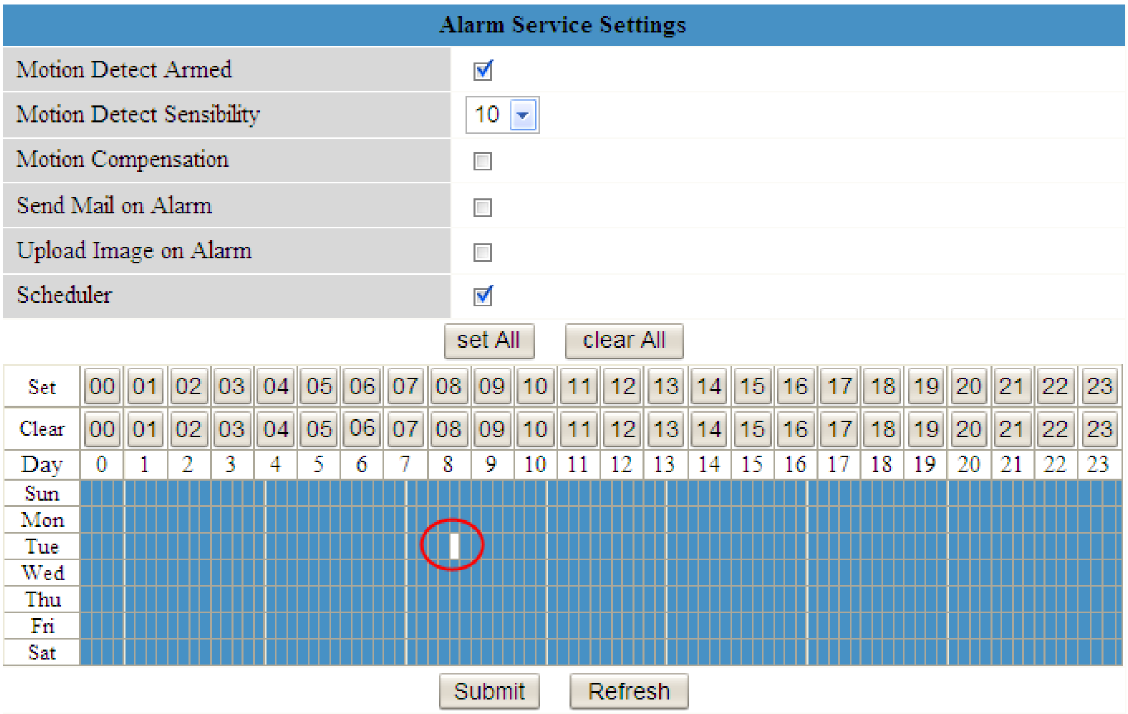


Figure 3.33

3.13 PTZ Settings

You can set pan/tilt speed. Normally, PT speed is 3; The larger the setting number, the lower speed. Don't enable the checkbox "disable preset" if you want to use the function of preset, it will be effective after you reboot device

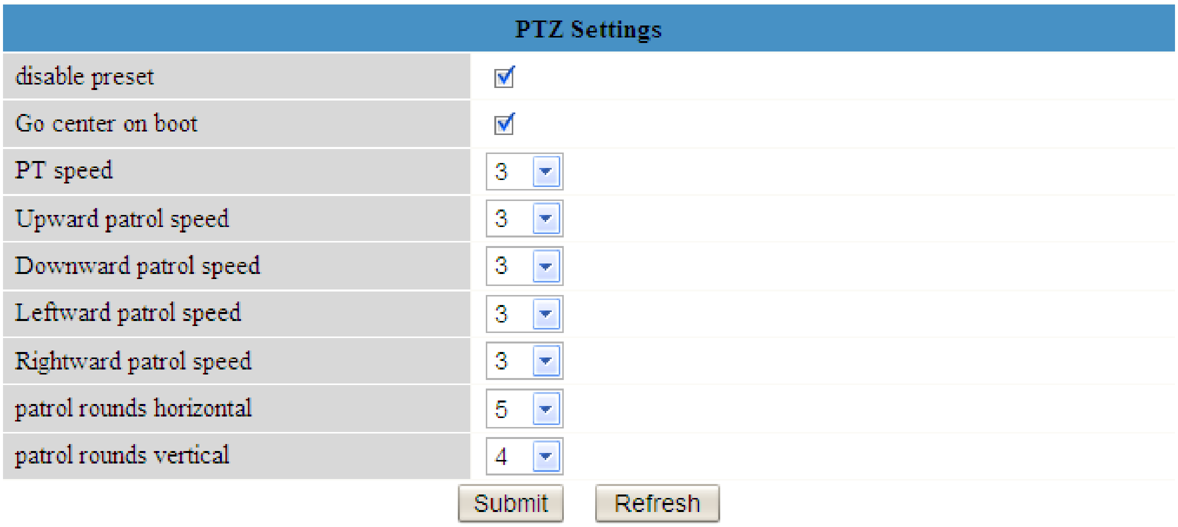


Figure 3.34

Patrol rounds horizontal: Set the round between 1 and 10, then click Submit. Back to "For Operator". Click the Horizon patrol button, the camera will patrol the rounds horizontally you set and then stop if you don't click Stop horizon patrol button. For example, you set 5 for the patrol rounds. Click submit and back to For Operator. Click the Horizon patrol button and do not click the Stop horizon patrol button, the camera will patrol 5 rounds and then stop automatically.

Patrol rounds vertical: Set the round between 1 and 10, then click submit. Back to “For Operator”. Click the Vertical patrol button, the camera will patrol the rounds vertically you set and then stop if you don’t click Stop vertical patrol button.
Note: Patrol rounds horizontal/vertical has no relation with the rotation rounds that camera reboots.

3.14 Upgrade Device Firmware

When you upgrade the camera, please upgrade system firmware first and then upgrade the Web UI.

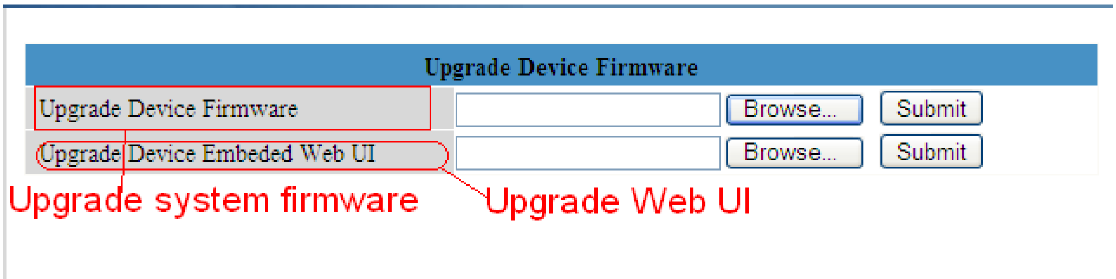


Figure 3.35

NOTE: After you upgrade the system firmware, you will not be able to view the camera in a browser before you upgrade the Web UI. Make sure the IP camera tool on your computer could find your camera’s IP before you choose upgrade in browser.
Click **Browse**, choose the correct bin file and then click **Submit** to upgrade.
Don’t shut down the power during upgrade until the IP camera tool finds the camera again.

3.15 Backup & Restore Settings

Click **Submit** to save all the parameters you have set. These parameters will be stored in a bin file for future use. The bin file can be restored to load the parameters that were set.

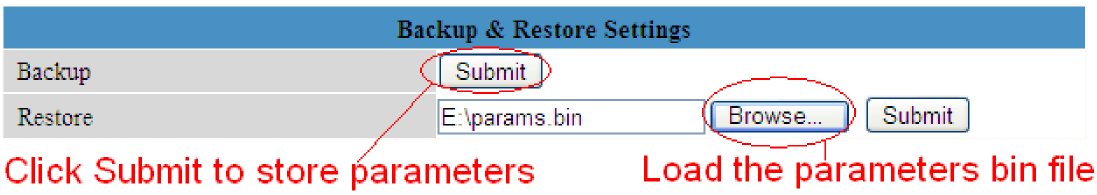


Figure 3.36

3.16 Restore Factory Settings

All parameters will return to factory settings if selected.

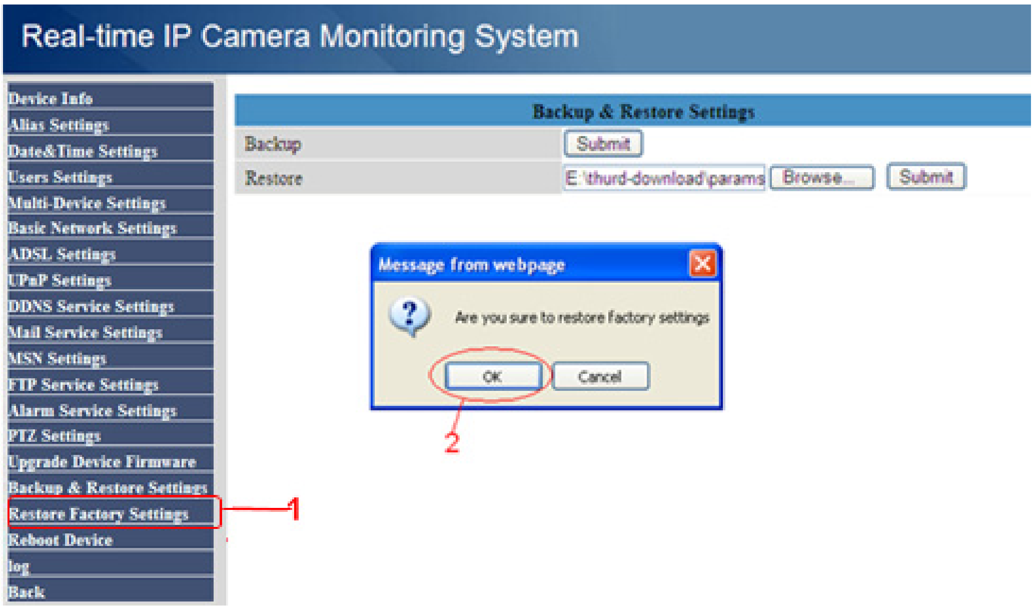


Figure 3.37

3.17 Reboot Device

Click **Reboot Device** to reboot the camera. This is similar to unplugging the power to the camera.

3.18 Log

The log record shows who accessed the camera (Figure 3.38).

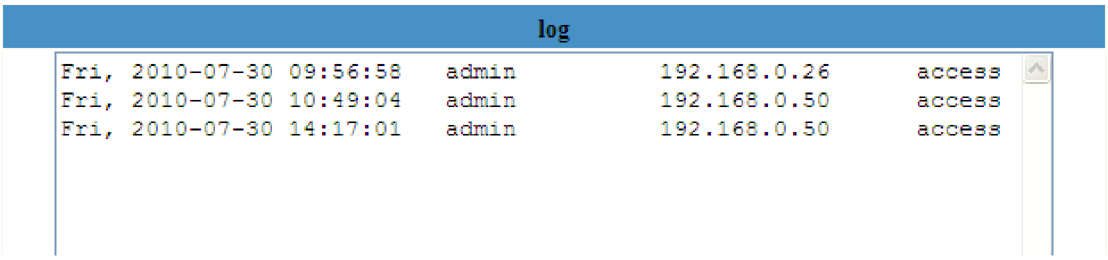


Figure 3.38

3.19 Back

This will take you back to the video window.

4 APPENDIX

4.1 Frequently Asked Questions

NOTE: Always verify network connections are working by checking the status of the indicators on the network server, hub, exchange and network card.

4.1.1 I have forgotten the administrator username and/or password

To reset the administrator username and password, press and hold down the RESET BUTTON for 15 seconds. Releasing the reset button will restore the factory default settings for username and password. You must power on the camera before reset.
Default administrator username: **admin**
Default administrator password: No password

4.1.2 Subnet doesn't match, dbclick to change

If IP Camera Tool shows the error "Subnet doesn't match, dbclick to change!", select **Obtain IP from DHCP server**. (Figure 2.4)
If this error still exists after obtain IP from DHCP server, check your local area connection of your computer and verify the subnet and gateway of the camera which should be the same subnet of your computer. (Figure 2.5)

4.1.3 No Pictures Problems

The video streaming is transmitted by the ActiveX controller. If ActiveX controller isn't installed correctly you will see no video image. There are two ways to resolve this problem:
1) Re-install "IP Camera Tool" and activeX control（recommended） (Figure 2.10~Figure 2.12)
2) Download ActiveX controller and set the security setting of IE: IE browser→Tool→Internet Proper→Security→Custom Level→ActiveX control and Plug-ins. The first three options should be set to be "Enable", The ActiveX programs read by the computer will be stored. As follows:
Enable: Download unsigned ActiveX controls
Enable: Initialize and script ActiveX controls not marked as safe
Enable: Run ActiveX controls and plug-ins

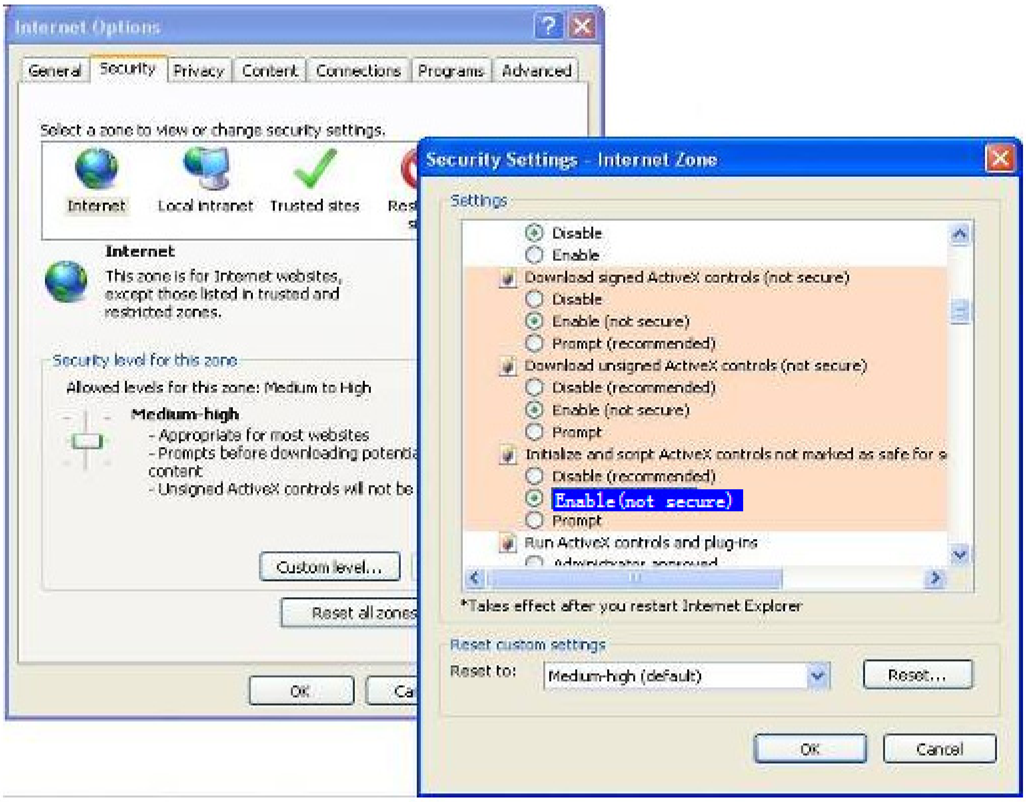


Figure 4.1

If you allow the activeX to run but still cannot see live video and a red cross in the center of the video. There is a yellow light in the device status. )

Change another port number. Do not use port 80. Use port 85, 8005.etc.

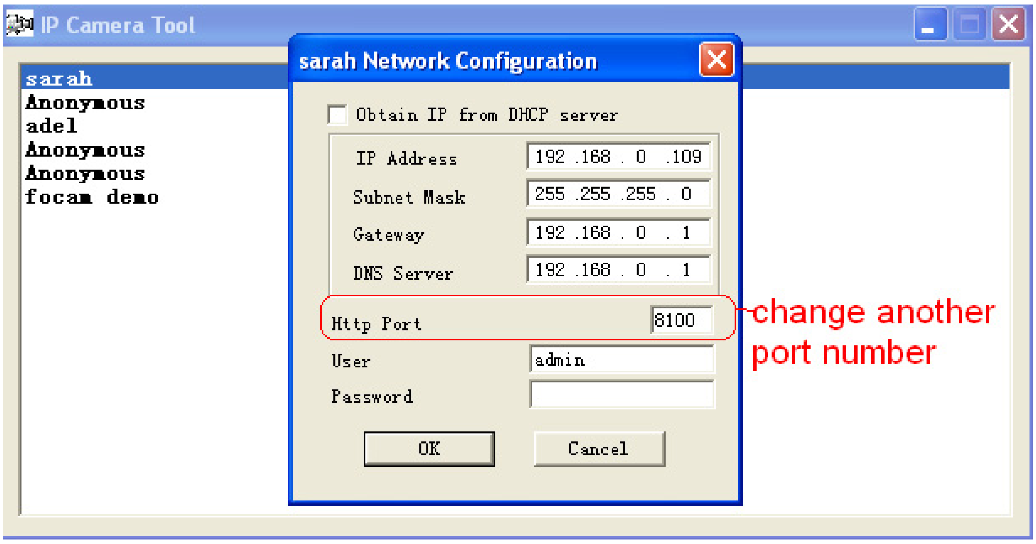


Figure 4.2

NOTE: Make sure that your firewall or anti-virus software does not block the camera or activeX. If you can not see live video, try shutting down the firewall or anti-virus software and try again.

4.1.4 Can't access IP camera on internet

Possible reasons why camera is not accessible on the internet:

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1 ActiveX controller is not installed correctly (see more details: Figure 2.10~Figure 2.12).
2 The port which the camera uses is blocked by a Firewall or Anti-virus software. Try changing to another port number. (Figure 4.2)
3 Port forwarding is not successful (see more details in **Quick Installation Guide—How to set DDN Service settings**)

4.1.5 IP Camera Tool could not find camera's IP

Verify that the network cable is securely fastened to the camera.
Make sure DHCP is enabled on your router, do not enable MAC address filter.
Make sure that the firewall or anti-virus software does not block the camera. You can add the camera as a trusted site on your firewall or anti-virus software.

4.1.6 UPnP always failed

UPnP only contains port forwarding in our recent software. Sometimes, it may fail to do port forwarding automatically because of the firewall or anti-virus software. It may also be due to the router's security settings. We recommend manually configuring port forwarding and the camera can be viewed on the internet.

4.1.7 Couldn't find the shortcut on the desktop after install IP camera tool

If you use Windows7 or Vista and the shortcut is missing after installing the IP camera tool, check the path of IP Camera program.
For example, as it was pointing to C:\Windows\System32\IPCamera.exe.
Please fix this by pointing the shortcut to the correct path
C:\Windows\SysWOW64\IPCamera.exe. After this you could use the shortcut without any problems.

4.1.8 I can't change the record path

When you use Windows7 or Vista, you may be not able to change the record path for the security settings of computer. Please add the camera as a trusted site to resolve this issue. The steps are
IE browser→Tool→Internet Proper→Security→Trusted sites→Sites→Add

4.1.9 I can't find multi-device settings and record icon

Record and multi-device function are controlled by activeX controller.
These functions are not available in Firefox, Google Chrome and Safari.

4.1.10 I can't see other cameras which in multi-device when remote access

If you want to view all the cameras on the WAN, verify that each camera you added in the multi-device settings can be accessed by using the DDNS name and port number. Use the DDNS domain name not camera's LAN IP. (for more details: How to add cameras in WAN).

4.1.11 Only see black screen or undefined characters when using remote login

If you could access the login page remotely, this indicates that your DDNS settings are correct. If you are unable to see live video but only some undefined characters, this may be due to internet speed issues.

4.2 Default Parameters

Default network Parameters
IP address: obtain dynamically
Subnet mask: 255.255.255.0
Gateway: obtain dynamically
DHCP: Disabled
DDNS: Disabled
Username and password
Default administrator username: admin
Default administrator password: No password

4.3 Specifications

ITEMS		FI8918E
Image Sensor	Image Sensor	1/5" Color CMOS Sensor
	Display Resolution	640 x 480 Pixels(300k Pixels)
	Lens	f: 2.8mm
	Mini. Illumination	0.5Lux
Lens	Lens Type	Glass Lens
Video	Image Compression	MJPEG
	Image Frame Rate	15fps(VGA),30fps(QVGA)
	Resolution	640 x 480(VGA), 320 x 240(QVGA)
	Flip Mirror Images	Vertical / Horizontal
	Light Frequency	50Hz, 60Hz or Outdoor
	Video Parameters	Brightness, Contrast
Audio	Audio Compression	ADPCM

	Input	Built-in Microphone
	Output	Built-in Speaker, with a audio jack
Communication	Ethernet	One 10/100Mbps RJ-45
	Supported Protocol	HTTP,FTP,TCP/IP,UDP,SMTP,DHCP,PPPoE,DDNS,UPnP,GPRS
	Infrared Light	11 IR LEDs, Night visibility up to 8 meters
	Dimension	110(L) x100(W) x108mm(H)
	Gross Weight	750g
	Net Weight	400g
Power	Power Supply	DC 5V/2.0A (EU,US,AU adapter or other types optional)
	Power Consumption	5.5 Watts (Max.)
POE	POE Standard	IEEE 802.3af
	Input Voltage	DC 36V~DC 57V
	Output Voltage	DC 5V
	Output Power	15.4W (Max.)
	Wiring standards	100M BASE-T
Environment	Operate Temper.	0° ~ 55°C (32°F ~ 131°F)
	Operating Humidity	20% ~ 85% non-condensing
	Storage Temper.	-10°C ~ 60° (14°F ~ 140°F)
	Storage Humidity	0% ~ 90% non-condensing
PC Requirements	CPU	2.0GHZ or above (suggested 3.0GHz)
	Memory Size	256MB or above (suggested 1.0GHz)
	Display Card	64M or above
	Supported OS	Microsoft Windows 2000/XP/Vista/Windows7
	Browser	IE 6.0, IE7.0, IE8.0 Firefox, Google Chrome, Safari or other standard browsers
Certification	CE,FCC	
Warranty	Limited 1-year warranty	

5 OBTAINING TECHNICAL SUPPORT

While we hope your experience with the IPCAM network camera is enjoyable and easy to use, you may experience some issues or have questions that this User's Guide has not answered. Please contact your reseller and ask for help first, if they can not resolve your issue, please contact our company.